UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
ENVIRONMENTAL SCIENCE CENTER
701 MAPES ROAD
FORT MEADE, MARYLAND 20755-5350

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DATE : September 29, 2004

SUBJECT: Region III Data QA Review

FROM : Khin-Cho Thaung KCT
Region III ESAT RPO (3EA21)

TO : Lorie Baker
Regional Project Manager (3HS34)

Attached is the organic data validation report for the New Jersey Fireworks Site (Case#:33178, SDG#:C0001, C0021, C0032, C0038) completed by the Region III Environmental Services Assistance Team (ESAT) contractor under the direction of Region III EAID.

If you have any questions regarding this review, please call me at (410) 305-2743.

Attachments

cc: Peggy Smith (MDE)

TO File #: 0015 TDF#: 0904

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DATE: September 27, 2004

SUBJECT: Level M3 Organic Data Validation for Case 33178
SDG: C0001, C0021, C0032, C0038
Site: New Jersey Fireworks

FROM: [redacted]
Organic Data Reviewer

Through: [redacted]
Senior Oversight Chemist

TO: [redacted]
ESAT Region 3 Project Officer

OVERVIEW

Case 33178, Sample Delivery Group (SDG) C0001, C0021, C0032, and C0038 consisted of twenty six (26) soil samples analyzed for volatile (VOC), semivolatile (SVOC), pesticides, and PCB's and twenty three (23) aquous samples analyzed for SVOC, pesticides and PCB's. All samples were submitted to Ceimic Corporation (CEIMIC) for analyses. The sample set included three (3) trip blanks, one (1) field blank, three (3) soil and (1) aqueous field duplicate pairs. Samples were analyzed according to Contract Laboratory Program (CLP) Statement of Work (SOW) OLMO4.3 through Routine Analytical Services (RAS) program.

SUMMARY

Data were validated according to Region III Modifications to the National Functional Guidelines for Organic Data Review, Level M3. All samples were successfully analyzed for all target compounds except those qualified "R" as noted in "MAJOR PROBLEM" section.

MAJOR PROBLEMS:

- Response Factors (RFs) were less than 0.05 for 1,2-dibromo-3-chloropropane in the volatile continuing calibrations. No positive results were reported for this compound. Quantitation limits for 1,2-dibromo-3-chloropropane in affected samples were rejected and qualified "R" on Data Summary Forms (DSFs) in Appendix B.

MINOR PROBLEMS:

- Positive results for pesticide/PCB compounds with percent differences (%Ds) greater than twenty-five percent (>25%) between the two analytical columns were qualified "J" on Data Summery Forms (DSFs).

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- Several compounds failed precision criteria [Percent Relative Standard Deviation (%RSD) and/or Percent Difference (%D)] in the volatile and semivolatile initial and/or continuing calibrations. No positive results were reported for these compounds. Quantitation limits for compounds with %D > 50% were qualified "UJ" on DSFs.

NOTES

- Maximum concentrations of all target compounds found in the analysis of trip blank are listed below. Only compounds used to qualify data are listed. Samples with concentrations of these common laboratory contaminants less than ten times (<10X) blank concentration have been qualified "B" on DSFs.

SDG	Blank	Compound	Concentration (µg/L)	Affected samples
C0001	VHBLK01	Methylene Chloride*	8 B µg/Kg	All Samples
	Trip Blank (C0038)	Acetone*	5 B µg/L	C0009, C0016
C0021	VHBLK01	Methylene Chloride*	7 B µg/Kg	All Samples
C0038	VBLKPB	Methylene Chloride*	4 J µg/L	C0038
C0038	VBLKPB	Acetone*	5 J µg/L	C0038
C0038	Field Blank (C0039)	Diethylphthalate*	7 J µg/L	C0047

- Volatile Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses of sample C0003 reported recoveries of trichloroethene and chlorobenzene in the MSD analysis outside lower control limits. Additionally, Relative Percent Differences (RPDs) for trichloroethene, benzene, toluene and chlorobenzene were outside Quality Control (QC) limits. No data were qualified based on these QC outlier.

- Volatile MS/MSD analyses of sample C0026 reported recovery of 1,1-dichlroethene in the MS analysis outside the lower control limit. No data were qualified based on this QC outlier.

- Sample C0026 was used for MS/MSD analyses by the laboratory. Non-spiked compounds, other than blank contaminants, were reported in the analysis of this sample and the MS/MSD analyses of this sample. Results and precision estimate are listed below.

		Concentration (µg/Kg)		
Compound	C0026	C0026MS	C0026MSD	%RSD
1,1,1-trichloroethane	18	3 J	2 J	116
tetrachloroethene	15	5 J	3 J	83
bis(2-ethylhexyl)phthalate	380 J	510	540	13

%RSD = Percent Relative Standard Deviation

- Sample C02B8 was used for MS/MSD analyses by the laboratory. Non-spiked compounds, other than blank contaminants, were reported in the volatile analyses of sample C02B8 and the MS/MSD analyses of this sample. Results and precision estimate are listed below.

Compound	Concentration (µg/L) C02B8	C02B8MS	C02B8MSD	%RSD
chloromethane	35	6 J	6 J	107
acetone	ND	7 J	9 J	25*
methylene chloride	ND	5 J	5 J	IN

* ND = Non-detect *IN = Indeterminate * = Relative Percent Difference instead of % RSD

- Volatile sample C0038 was used for MS/MSD analyses by the laboratory. Non-spiked compounds, other than blank contaminants, were reported in the sample C0038 and the MS/MSD analyses of this sample. Results and precision estimates.

Compound	Concentration (µg/L) C0038	C0038MS	C0038MSD	%RSD
chloromethane	4 J	5 J	5 J	12
2-butanone	4 J	ND	ND	IN

- The semivolatile MS/MSD analyses of sample C0003 reported recovery of pentochlorophenol in the MS/MSD analyses is 0%. No data were qualified based on MS/MSD recoveries.

- Sample C0003 (SDG C0001) was used for MS/MSD analyses by the laboratory. Non-spiked compounds, other than blank contaminants, were reported in semivolatile analyses of sample C0003 and the MS/MSD analyses of this sample. Results and precision estimate for samples C0003, C0003MS, and C0003MSD are listed below.

Compound	Concentration (µg/Kg) C0003	C0003MS	C0003MSD	%RSD
fluoranthene	280 J	150 J	180 J	33
benzo(a)anthracene	360 J	160 J	220 J	42
chrysene	460 J	270 J	320 J	28
benzo(b)fluoranthene	250 J	140 J	260 J	31
benzo(k)fluoranthene	280 J	190 J	140 J	35
benzo(a)pyrene	350 J	230 J	300 J	26
indeno(1,2,3-cd)pyrene	130 J	ND	ND	IN
benzo(g,h,i)perylene	160 J	ND	ND	IN

- Semivolatile MS/MSD analyses of sample C0026 reported recoveries of 4-nitrophenol, 2,4-dinitrotoluene, and pentachlorophenol in the MSD analyses, outside upper QC limits. Additionally, RPD for acenaphthene was outside the QC limit. No data were qualified based on these QC outlier.

- The MS/MSD analyses were performed on trip blank sample C02B8 (SDG C0032) and C0038 (SDG C0038).

- Semivolatile MS/MSD analyses of sample C0032 reported recovery of 4-nitrophenol outside upper QC limit in MS/MSD analyses. No data were qualified based on this QC outlier.

- Semivolatile MS/MSD analyses of sample C0049 (SDG C0038) reported recovery of 4-nitrophenol outside upper QC limit. Also, recovery of N-nitoso-di-n-propylamine outside lower QC limit in MSD analysis. Additionally, RPD for N-nitoso-di-n-propylmine. was outside QC limit. No data were qualified based on these QC outlier.

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- Pesticide/PCB MS/MSD in SDG C0038 analyses of sample C0049 reported the RPD of 4,4'-DDT outside lower QC limit. No data were qualified based on this QC outlier.

- Semivolatile analysis of sample C0003 (SDG C0001) was performed at a three fold (3X) dilution. Contract Required Quantitation Limits (CRQLs) are elevated in this sample due to this dilution.

- Tentatively Identified Compounds (TICs) were reviewed during data validation. The laboratory reported several target compounds as TICs due to SOW requirements for reporting named compounds that have greater than eighty-five (>85%) purity. The retention times of these compounds did not compare well to the retention times of these compounds in the associated continuing calibration standards. Therefore, these TICs were changes to "unknowns" by the reviewer on the TICs Form Is. Compounds identified as blank contaminants or common laboratory artifacts were crossed off TIC Form Is by the reviewer. TIC Form Is for samples in which TICs were identified are included in Appendix C.

- Pesticide/PCB analysis for sample C0009 (SDG C0001) had recoveries of surrogate decachlorobiphenyl (DCB) outside the upper QC limit on both columns. No positive results were reported in sample. No data were qualified based on these surrogate recoveries.

- Semivolatile analyses for samples C0042, C0047, C0046, C0044, C0033, C0035, C0036, C0034, and C0037 in SDG C0038 had recoveries for surrogate terphenyl -d14 outside the lower QC limit. No data were qualified based on these single surrogate recovery outliers.

- Compounds detected below Contract Required Quantittaion Limits (CRQLs) were qualified "J" if not superseded by "B" on DSFs.

- For VOC analyses, field duplicate pair, samples C0001/C0005 and C0007/C0011 in SDG C0001 and C0027/C0028 in SDG C0021 had comparable concentration.

- For SVOC, Pesticides, and PCB's analyses, field duplicate pair, samples C0027/C0028 in SDG C0021 and C0035/C0036 and C0045/C0052 in SDG C0038 had comparable concentration.

- Sample mass other than five (5) grams in the volatile soil analyses and 30 grams in semivolatile and pesticide/PCB soil analyses were used for samples associated with this case. Dilution factors reported on DFSs reflect actual sample masses used.

All data for Case 33178, SDG C0001, C0021, C0032, and C0038, were reviewed in accordance with Innovative Approaches for Validation of Organic Data, Region III, June 1995.

ATTACHMENTS

1)	Appendix A	Glossary of Data Qualifier Terms
2)	Appendix B	Data Summary Forms
3)	Appendix C	Tentatively Identified Compounds (TICs)
4)	Appendix D	Chain-of-Custody Records
5)	Appendix E	Laboratory Case Narrative

Appendix A

Glossary of Data Quality Terms

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GLOSSARY OF DATA QUALIFIER CODES (ORGANIC)

CODES RELATED TO IDENTIFICATION

(confidence concerning presence or absence of compounds)

U = Not detected. The associated number indicates approximate sample concentration necessary to be detected.

NO CODE = Confirmed identification.

B = Not detected substantially above the level reported in laboratory or field blanks.

R = Unusable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

N = Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.

CODES RELATED TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

J = Analyte present. Reported value may not be accurate or precise.

K = Analyte present. Reported value may be biased high. Actual value is expected to be lower.

L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

UL = Not detected, quantitation limit is probably higher.

OTHER CODES

NJ = Qualitative identification questionable due to poor resolution. Presumptively present at approximate quantity.

Q = No analytical result.

Appendix B

Data Summary Forms

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DATA SUMMARY FORM: VOLATILES

Case #: 33178 SDG : C0001 Number of Soil Samples : 20
Site : NEW JERSEY FIREWORKS Number of Water Samples : 0
Lab. : CEIMIC

Sample Number :		C0001		C0002		C0003		C0004		C0005	
Sampling Location :		S11		S12		S13		S14		S15	
Field QC		Dup. of C0005								Dup. of C0001	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		12:30		14:16		12:05		11:30		12:35	
%Moisture :		18		16		10		41		27	
Dilution Factor :		2.6		1.9		1.25		0.96		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10										
Chloromethane	10										
Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10										
1,1-Dichloroethene	10										
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10										
Carbon Disulfide	10										
Methyl Acetate	10										
Methylene Chloride	10	13	B	17	B	11	B	15	B	5	B
trans-1,2-Dichloroethene	10										
tert-Butyl Methyl Ether	10										
1,1-Dichloroethane	10										
cis-1,2-Dichloroethene	10										
2-Butanone	10										
Chloroform	10										
1,1,1-Trichloroethane	10										
Cyclohexane	10										
Carbon Tetrachloride	10										
Benzene	10										
1,2-Dichloroethane	10										
Trichloroethene	10										
Methylcyclohexane	10										
1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10										
Toluene	10										
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
Tetrachloroethene	10										

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0001
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0001		C0002		C0003		C0004		C0005	
Sampling Location :		S11		S12		S13		S14		S15	
Field QC:		Dup. of C0005								Dup. of C0001	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		12:30		14:16		12:05		11:30		12:35	
%Moisture :		18		16		10		41		27	
Dilution Factor :		2.6		1.9		1.25		0.96		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10										
Dibromochloromethane	10										
1,2-Dibromoethane	10										
Chlorobenzene	10										
Ethylbenzene	10										
Xylenes (total)	10										
Styrene	10										
Bromoform	10										
Isopropylbenzene	10										
1,1,2,2-Tetrachloroethane	10										
1,3-Dichlorobenzene	10										
1,4-Dichlorobenzene	10										
1,2-Dichlorobenzene	10										
1,2-Dibromo-3-chloropropane	10		R								
1,2,4-Trichlorobenzene	10										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

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Case #: 33178
Site :
Lab. :

SDG : C0001
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0006		C0007		C0008		C0009		C0010	
Sampling Location :		S16		S21		S22		S23		S24	
Field QC:				Dup. of C0011							
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		14:06		09:55		10:20		11:05		10:45	
%Moisture :		29		23		22		33		19	
Dilution Factor :		1.56		1.09		1.04		0.96		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10										
Chloromethane	10										
Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10	3	J								
1,1-Dichloroethene	10										
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10							5	B		
Carbon Disulfide	10										
Methyl Acetate	10										
Methylene Chloride	10	19	B	10	B	8	B	13	B	6	B
trans-1,2-Dichloroethene	10										
tert-Butyl Methyl Ether	10										
1,1-Dichloroethane	10										
cis-1,2-Dichloroethene	10										
2-Butanone	10										
Chloroform	10										
1,1,1-Trichloroethane	10										
Cyclohexane	10										
Carbon Tetrachloride	10										
Benzene	10										
1,2-Dichloroethane	10										
Trichloroethene	10										
Methylcyclohexane	10										
1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10										
Toluene	10										
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
Tetrachloroethene	10										

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0001
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0006		C0007		C0008		C0009		C0010	
Sampling Location :		S16		S21		S22		S23		S24	
Field QC:				Dup. of C0011							
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		14:06		09:55		10:20		11:05		10:45	
%Moisture :		29		23		22		33		19	
Dilution Factor :		1.56		1.09		1.04		0.96		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10										
Dibromochloromethane	10										
1,2-Dibromoethane	10										
Chlorobenzene	10										
Ethylbenzene	10										
Xylenes (total)	10										
Styrene	10										
Bromoform	10										
Isopropylbenzene	10										
1,1,2,2-Tetrachloroethane	10										
1,3-Dichlorobenzene	10										
1,4-Dichlorobenzene	10										
1,2-Dichlorobenzene	10										
1,2-Dibromo-3-chloropropane	10										
1,2,4-Trichlorobenzene	10										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

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Case #: 33178
Site :
Lab. :

SDG : C0001
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0011		C0012		C0014		C0015		C0016	
Sampling Location :		S25		SS11		SS13		SS14		SS21	
Field QC:		Dup of C0007									
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		10:00		12:40		12:10		11:35		10:05	
%Moisture :		25		14		14		15		16	
Dilution Factor :		1.43		0.94		2.0		0.93		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10										
Chloromethane	10										
Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10										
1,1-Dichloroethene	10										
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10									6	B
Carbon Disulfide	10										
Methyl Acetate	10										
Methylene Chloride	10	12	B	8	B	16	B	12	B	8	B
trans-1,2-Dichloroethene	10										
tert-Butyl Methyl Ether	10										
1,1-Dichloroethane	10									2	J
cis-1,2-Dichloroethene	10										
2-Butanone	10										
Chloroform	10										
1,1,1-Trichloroethane	10									2	J
Cyclohexane	10										
Carbon Tetrachloride	10										
Benzene	10										
1,2-Dichloroethane	10										
Trichloroethene	10										
Methylcyclohexane	10										
1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10										
Toluene	10										
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
Tetrachloroethene	10									4	J

ORIGINAL

DATA SUMMARY FORM: VOLATILES

Case #: 33178 SDG : C0001
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0011		C0012		C0014		C0015		C0016	
Sampling Location :		S25		SS11		SS13		SS14		SS21	
Field QC:		Dup. of C0007									
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		10:00		12:40		12:10		11:35		10:05	
%Moisture :		25		14		14		15		16	
pH :		8.0		4.8		8.9		6.9		7.1	
Dilution Factor :		1.43		0.94		2.0		0.93		1.0	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10										
Dibromochloromethane	10										
1,2-Dibromoethane	10										
Chlorobenzene	10										
Ethylbenzene	10										
Xylenes (total)	10										
Styrene	10										
Bromoform	10										
Isopropylbenzene	10										
1,1,2,2-Tetrachloroethane	10										
1,3-Dichlorobenzene	10										
1,4-Dichlorobenzene	10										
1,2-Dichlorobenzene	10										
1,2-Dibromo-3-chloropropane	10						R				
1,2,4-Trichlorobenzene	10										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

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Case #: 33178 SDG : C0001
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0017		C0018		C0019		C0023		C0024	
Sampling Location :		SS22		SS23		SS24		SED3		SED4	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/5/2004		8/5/2004	
Time Sampled :		10:25		11:10		10:50		11:20		10:25	
%Moisture :		12		11		17		34		21	
Dilution Factor :		0.96		1.19		1.22		0.94		0.91	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10										
Chloromethane	10										
Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10										
1,1-Dichloroethene	10	1	J								
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10										
Carbon Disulfide	10										
Methyl Acetate	10										
Methylene Chloride	10	11	B	8	B	9	B	11	B	3	B
trans-1,2-Dichloroethene	10										
tert-Butyl Methyl Ether	10										
1,1-Dichloroethane	10										
cis-1,2-Dichloroethene	10										
2-Butanone	10										
Chloroform	10										
1,1,1-Trichloroethane	10	1	J								
Cyclohexane	10										
Carbon Tetrachloride	10										
Benzene	10										
1,2-Dichloroethane	10										
Trichloroethene	10										
Methylcyclohexane	10										
1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10										
Toluene	10										
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
Tetrachloroethene	10	3	J			3	J				

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0001
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0017		C0018		C0019		C0023		C0024	
Sampling Location :		SS22		SS23		SS24		SED3		SED4	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/5/2004		8/5/2004	
Time Sampled :		10:25		11:10		10:50		11:20		10:25	
%Moisture :		12		11		17		34		21	
Dilution Factor :		0.96		1.19		1.22		0.94		0.91	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10										
Dibromochloromethane	10										
1,2-Dibromoethane	10										
Chlorobenzene	10										
Ethylbenzene	10										
Xylenes (total)	10										
Styrene	10										
Bromoform	10										
Isopropylbenzene	10										
1,1,2,2-Tetrachloroethane	10										
1,3-Dichlorobenzene	10										
1,4-Dichlorobenzene	10										
1,2-Dichlorobenzene	10										
1,2-Dibromo-3-chloropropane	10				R				R		R
1,2,4-Trichlorobenzene	10										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL

DATA SUMMARY FORM: VOLATILES

Case #: 33178 | SDG : C0021 | Number of Soil Samples : 6
Site : | NEW JERSEY FIREWORKS | Number of Water Samples : 0
Lab. : | CEIMIC

Sample Number :		C0021		C0022		C0025		C0026		C0027	
Sampling Location :		SED1		SED2		SED5		SED6		SED7	
Field QC:										DUP. OF C0028	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/5/2004		8/5/2004		8/5/2004		8/5/2004		8/5/2004	
Time Sampled :		11:25		11:45		09:50		09:35		08:50	
%Moisture :		28		22		38		22		21	
Dilution Factor :		1.14		1.09		1.28		0.91		1.35	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10										
Chloromethane	10										
Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10										
1,1-Dichloroethene	10							3	J		
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10										
Carbon Disulfide	10										
Methyl Acetate	10										
Methylene Chloride	10	4	B	4	B	14	B	3	B	5	B
trans-1,2-Dichloroethene	10										
tert-Butyl Methyl Ether	10										
1,1-Dichloroethane	10										
cis-1,2-Dichloroethene	10										
2-Butanone	10										
Chloroform	10										
1,1,1-Trichloroethane	10							18			
Cyclohexane	10										
Carbon Tetrachloride	10										
Benzene	10										
1,2-Dichloroethane	10										
Trichloroethene	10							1	J		
Methylcyclohexane	10										
1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10										
Toluene	10										
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
Tetrachloroethene	10							15			

ORIGINAL

Case #: 33178 SDG : C0021
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0021		C0022		C0025		C0026		C0027	
Sampling Location :		SED1		SED2		SED5		SED6		SED7	
Field QC:										Dup. of C0028	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/5/2004		8/5/2004		8/5/2004		8/5/2004		8/5/2004	
Time Sampled :		11:25		11:45		09:50		09:35		08:50	
%Moisture :		28		22		38		22		21	
Dilution Factor :		1.14		1.09		1.28		0.91		1.35	
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10										
Dibromochloromethane	10										
1,2-Dibromoethane	10										
Chlorobenzene	10										
Ethylbenzene	10										
Xylenes (total)	10										
Styrene	10										
Bromoform	10										
Isopropylbenzene	10										
1,1,2,2-Tetrachloroethane	10										
1,3-Dichlorobenzene	10										
1,4-Dichlorobenzene	10										
1,2-Dichlorobenzene	10										
1,2-Dibromo-3-chloropropane	10		R		R		R		R		R
1,2,4-Trichlorobenzene	10										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0021
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0028									
Sampling Location :		SED8									
Field QC:		Dup. of C0027									
Matrix :		Soil									
Units :		ug/Kg									
Date Sampled :		8/5/2004									
Time Sampled :		08:55									
%Moisture :		42									
Dilution Factor :		0.96									
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10										
Chloromethane	10										
Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10										
1,1-Dichloroethene	10										
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10										
Carbon Disulfide	10										
Methyl Acetate	10										
Methylene Chloride	10	5	B								
trans-1,2-Dichloroethene	10										
tert-Butyl Methyl Ether	10										
1,1-Dichloroethane	10										
cis-1,2-Dichloroethene	10										
2-Butanone	10										
Chloroform	10										
1,1,1-Trichloroethane	10										
Cyclohexane	10										
Carbon Tetrachloride	10										
Benzene	10										
1,2-Dichloroethane	10										
Trichloroethene	10										
Methylcyclohexane	10										
1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10										
Toluene	10										
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
Tetrachloroethene	10										

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0021
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0028									
Sampling Location :		SED8									
Field QC:		Dup. of C0027									
Matrix :		Soil									
Units :		ug/Kg									
Date Sampled :		8/5/2004									
Time Sampled :		08:55									
%Moisture :		42									
Dilution Factor :		0.96									
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10										
Dibromochloromethane	10										
1,2-Dibromoethane	10										
Chlorobenzene	10										
Ethylbenzene	10										
Xylenes (total)	10										
Styrene	10										
Bromoform	10										
Isopropylbenzene	10										
1,1,2,2-Tetrachloroethane	10										
1,3-Dichlorobenzene	10										
1,4-Dichlorobenzene	10										
1,2-Dichlorobenzene	10										
1,2-Dibromo-3-chloropropane	10		R								
1,2,4-Trichlorobenzene	10										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL

Case #: 33178 SDG : C0032 Number of Soil Samples : 0

Site : NEW JERSEY FIREWORKS Number of Water Samples : 1

Lab. : CEIMIC

Sample Number :		C02B8									
Sampling Location :		SW15									
Field QC:		Trip Blank									
Matrix :		Water									
Units :		ug/L									
Date Sampled :		8/5/2004									
Time Sampled :		09:00									
pH :		1.0									
Dilution Factor :		1.0									
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10										
Chloromethane	10	35									
*Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10										
*1,1-Dichloroethene	10										
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10										
Carbon Disulfide	10										
Methyl Acetate	10										
*Methylene Chloride	10										
trans-1,2-Dichloroethene	10										
tert-Butyl Methyl Ether	10										
1,1-Dichloroethane	10										
cis-1,2-Dichloroethene	10										
*2-Butanone	10										
Chloroform	10										
*1,1,1-Trichloroethane	10										
Cyclohexane	10										
*Carbon Tetrachloride	10										
*Benzene	10										
*1,2-Dichloroethane	10										
Trichloroethene	10										
Methylcyclohexane	10										
*1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10										
*Toluene	10										
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
*Tetrachloroethene	10										

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0032
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C02B8									
Sampling Location :		SW15									
Field QC:		Trip Blank									
Matrix :		Water									
Units :		ug/L									
Date Sampled :		8/5/2004									
Time Sampled :		09:00									
pH :		1.0									
Dilution Factor :		1.0									
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10										
Dibromochloromethane	10										
1,2-Dibromoethane	10										
*Chlorobenzene	10										
*Ethylbenzene	10										
Xylenes (total)	10										
*Styrene	10										
Bromoform	10										
Isopropylbenzene	10										
1,1,2,2-Tetrachloroethane	10										
*1,3-Dichlorobenzene	10										
*1,4-Dichlorobenzene	10										
1,2-Dichlorobenzene	10										
1,2-Dibromo-3-chloropropane	10										
1,2,4-Trichlorobenzene	10										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) Revised 09/99

DATA SUMMARY FORM: VOLATILES (Lab Results)

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0038
NEW JERSEY FIREWORKS
CEIMIC

Number of Soil Samples : 0
Number of Water Samples : 2

Sample Number :		C0038		C0040							
Sampling Location :		SW11		SW13							
Field QC:		Trip Blank		Trip Blank							
Matrix :		Water		Water							
Units :		ug/L		ug/L							
Date Sampled :		8/3/2004		8/4/2004							
Time Sampled :		14:11		12:17							
pH :		1.0		1.0							
Dilution Factor :		1.0		1.0							
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10		UJ								
Chloromethane	10	4	J								
*Vinyl Chloride	10										
Bromomethane	10										
Chloroethane	10										
Trichlorofluoromethane	10										
*1,1-Dichloroethene	10										
1,1,2-Trichloro-1,2,2-trifluoroethane	10										
Acetone	10	5	B								
Carbon Disulfide	10										
Methyl Acetate	10										
*Methylene Chloride	10	5	B	2	J						
trans-1,2-Dichloroethene	10										
tert-Butyl Methyl Ether	10										
1,1-Dichloroethane	10										
cis-1,2-Dichloroethene	10										
*2-Butanone	10	4	J								
Chloroform	10										
*1,1,1-Trichloroethane	10										
Cyclohexane	10										
*Carbon Tetrachloride	10										
*Benzene	10										
*1,2-Dichloroethane	10										
Trichloroethene	10										
Methylcyclohexane	10										
*1,2-Dichloropropane	10										
Bromodichloromethane	10										
cis-1,3-Dichloropropene	10										
4-Methyl-2-pentanone	10										
*Toluene	10										
trans-1,3-Dichloropropene	10										
1,1,2-Trichloroethane	10										
*Tetrachloroethene	10										

ORIGINAL

Case #: 33178 SDG : C0038
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0038		C0040							
Sampling Location :		SW11		SW13							
Field QC		Trip Blank		Trip Blank							
Matrix :		Water		Water							
Units :		ug/L		ug/L							
Date Sampled :		8/3/2004		8/4/2004							
Time Sampled :		14:11		12:17							
pH :		1.0		1.0							
Dilution Factor :		1.0		1.0							
Volatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Hexanone	10										
Dibromochloromethane	10										
1,2-Dibromoethane	10										
*Chlorobenzene	10										
*Ethylbenzene	10										
Xylenes (total)	10										
*Styrene	10										
Bromoform	10										
Isopropylbenzene	10										
1,1,2,2-Tetrachloroethane	10										
*1,3-Dichlorobenzene	10										
*1,4-Dichlorobenzene	10										
1,2-Dichlorobenzene	10										
1,2-Dibromo-3-chloropropane	10										
1,2,4-Trichlorobenzene	10										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) Revised 09/99

ORIGINAL

DATA SUMMARY FORM: BNA

Case #: 33178 SDG : C0001 Number of Soil Samples : 20
Site : NEW JERSEY FIREWORKS Number of Water Samples : 0
Lab. : CEIMIC

Sample Number :		C0001		C0002		C0003		C0004		C0005	
Sampling Location :		S11		S12		S13		S14		S15	
Field QC:		Dup. of C0005								Dup. of C0001	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		12:30		14:16		12:05		11:30		12:35	
Dilution Factor :		1.0		1.0		2.95		1.0		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	330										
Phenol	330										
bis-(2-Chloroethyl) ether	330										
2-Chlorophenol	330										
2-Methylphenol	330										
2,2'-oxybis(1-Chloropropane)	330										
Acetophenone	330										
4-Methylphenol	330										
N-Nitroso-di-n-propylamine	330										
Hexachloroethane	330										
Nitrobenzene	330										
Isophorone	330										
2-Nitrophenol	330										
2,4-Dimethylphenol	330										
bis(2-Chloroethoxy)methane	330										
2,4-Dichlorophenol	330										
Naphthalene	330										
4-Chloroaniline	330										
Hexachlorobutadiene	330										
Caprolactam	330										
4-Chloro-3-methylphenol	330										
2-Methylnaphthalene	330										
Hexachlorocyclopentadiene	330										
2,4,6-Trichlorophenol	330										
2,4,5-Trichlorophenol	830										
1,1'-Biphenyl	330										
2-Chloronaphthalene	330										
2-Nitroaniline	830										
Dimethylphthalate	330										
2,6-Dinitrotoluene	330										
Acenaphthylene	330										
3-Nitroaniline	830										

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0001
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0001		C0002		C0003		C0004		C0005	
Sampling Location :		S11		S12		S13		S14		S15	
Field QC:		Dup. of C0005								Dup. of C0001	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		12:30		14:16		12:05		11:30		12:35	
Dilution Factor :		1.0		1.0		2.95		1.0		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	330										
2,4-Dinitrophenol	830										
4-Nitrophenol	830										
Dibenzofuran	330										
2,4-Dinitrotoluene	330										
Diethylphthalate	330										
Fluorene	330										
4-Chlorophenyl-phenyl ether	330										
4-Nitroaniline	830										
4,6-Dinitro-2-methylphenol	830										
N-Nitrosodiphenylamine	330										
4-Bromophenyl-phenylether	330										
Hexachlorobenzene	330										
Atrazine	330										
Pentachlorophenol	830										
Phenanthrene	330	43	J					79	J		
Anthracene	330										
Carbazole	330										
Di-n-butylphthalate	330										
Fluoranthene	330	72	J			280	J	180	J		
Pyrene	330	77	J			750	J	270	J		
Butylbenzylphthalate	330										
3,3'-Dichlorobenzidine	330										
Benzo(a)anthracene	330					360	J	99	J		
Chrysene	330	62	J			460	J	150	J		
bis(2-Ethylhexyl)phthalate	330	140	J							80	J
Di-n-octylphthalate	330										
Benzo(b)fluoranthene	330					250	J				
Benzo(k)fluoranthene	330	43	J			280	J				
Benzo(a)pyrene	330					350	J				
Indeno(1,2,3-cd)pyrene	330					130	J				
Dibenzo(a,h)anthracene	330										
Benzo(g,h,i)perylene	330					160	J				

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0001
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0006		C0007		C0008		C0009		C0010	
Sampling Location :		S16		S21		S22		S23		S24	
Field QC:				Dup. of C0011							
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		14:06		09:55		10:20		11:05		10:45	
Dilution Factor :		1.0		0.99		0.98		1.0		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	330										
Phenol	330										
bis-(2-Chloroethyl) ether	330										
2-Chlorophenol	330										
2-Methylphenol	330										
2,2'-oxybis(1-Chloropropane)	330										
Acetophenone	330										
4-Methylphenol	330										
N-Nitroso-di-n-propylamine	330										
Hexachloroethane	330										
Nitrobenzene	330										
Isophorone	330										
2-Nitrophenol	330										
2,4-Dimethylphenol	330										
bis(2-Chloroethoxy)methane	330										
2,4-Dichlorophenol	330										
Naphthalene	330										
4-Chloroaniline	330										
Hexachlorobutadiene	330										
Caprolactam	330										
4-Chloro-3-methylphenol	330										
2-Methylnaphthalene	330										
Hexachlorocyclopentadiene	330										
2,4,6-Trichlorophenol	330										
2,4,5-Trichlorophenol	830										
1,1'-Biphenyl	330										
2-Chloronaphthalene	330										
2-Nitroaniline	830										
Dimethylphthalate	330										
2,6-Dinitrotoluene	330										
Acenaphthylene	330										
3-Nitroaniline	830										

ORIGINAL

Case #: 33178
SDG : C0001
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0006		C0007		C0008		C0009		C0010	
Sampling Location :		S16		S21		S22		S23		S24	
Field QC:				Dup of C0011							
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		14:06		09:55		10:20		11:05		10:45	
Dilution Factor :		1.0		0.99		0.98		1.0		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	330										
2,4-Dinitrophenol	830										
4-Nitrophenol	830										
Dibenzofuran	330										
2,4-Dinitrotoluene	330										
Diethylphthalate	330										
Fluorene	330										
4-Chlorophenyl-phenyl ether	330										
4-Nitroaniline	830										
4,6-Dinitro-2-methylphenol	830										
N-Nitrosodiphenylamine	330										
4-Bromophenyl-phenylether	330										
Hexachlorobenzene	330										
Atrazine	330										
Pentachlorophenol	830										
Phenanthrene	330					88	J				
Anthracene	330										
Carbazole	330										
Di-n-butylphthalate	330										
Fluoranthene	330					140	J				
Pyrene	330					210	J				
Butylbenzylphthalate	330										
3,3'-Dichlorobenzidine	330										
Benzo(a)anthracene	330					85	J				
Chrysene	330					140	J				
bis(2-Ethylhexyl)phthalate	330			760		210	J			100	J
Di-n-octylphthalate	330										
Benzo(b)fluoranthene	330					94	J				
Benzo(k)fluoranthene	330					84	J				
Benzo(a)pyrene	330					110	J				
Indeno(1,2,3-cd)pyrene	330					80	J				
Dibenzo(a,h)anthracene	330										
Benzo(g,h,i)perylene	330					84	J				

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL

Case #: 33178 SDG : C0001
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0011		C0012		C0014		C0015		C0016	
Sampling Location :		S25		SS11		SS13		SS14		SS21	
Field QC:		Dup. of C0007									
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		10:00		12:40		12:10		11:35		10:05	
Dilution Factor :		0.99		0.98		0.98		0.99		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	330										
Phenol	330										
bis-(2-Chloroethyl) ether	330										
2-Chlorophenol	330										
2-Methylphenol	330										
2,2'-oxybis(1-Chloropropane)	330										
Acetophenone	330										
4-Methylphenol	330										
N-Nitroso-di-n-propylamine	330										
Hexachloroethane	330										
Nitrobenzene	330										
Isophorone	330										
2-Nitrophenol	330										
2,4-Dimethylphenol	330										
bis(2-Chloroethoxy)methane	330										
2,4-Dichlorophenol	330										
Naphthalene	330										
4-Chloroaniline	330										
Hexachlorobutadiene	330										
Caprolactam	330			40	J						
4-Chloro-3-methylphenol	330										
2-Methylnaphthalene	330										
Hexachlorocyclopentadiene	330										
2,4,6-Trichlorophenol	330										
2,4,5-Trichlorophenol	830										
1,1'-Biphenyl	330										
2-Chloronaphthalene	330										
2-Nitroaniline	830										
Dimethylphthalate	330										
2,6-Dinitrotoluene	330										
Acenaphthylene	330										
3-Nitroaniline	830										

ORIGINAL

Case #: 33178 SDG : C0001
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0011		C0012		C0014		C0015		C0016	
Sampling Location :		S25		SS11		SS13		SS14		SS21	
Field QC:		Dup. of C0007									
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		10:00		12:40		12:10		11:35		10:05	
Dilution Factor :		0.99		0.98		0.98		0.99		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	330										
2,4-Dinitrophenol	830										
4-Nitrophenol	830										
Dibenzofuran	330										
2,4-Dinitrotoluene	330										
Diethylphthalate	330										
Fluorene	330										
4-Chlorophenyl-phenyl ether	330										
4-Nitroaniline	830										
4,6-Dinitro-2-methylphenol	830										
N-Nitrosodiphenylamine	330										
4-Bromophenyl-phenylether	330										
Hexachlorobenzene	330										
Atrazine	330										
Pentachlorophenol	830										
Phenanthrene	330										
Anthracene	330										
Carbazole	330										
Di-n-butylphthalate	330										
Fluoranthene	330										
Pyrene	330										
Butylbenzylphthalate	330										
3,3'-Dichlorobenzidine	330										
Benzo(a)anthracene	330										
Chrysene	330										
bis(2-Ethylhexyl)phthalate	330	550		92	J					140	J
Di-n-octylphthalate	330										
Benzo(b)fluoranthene	330										
Benzo(k)fluoranthene	330										
Benzo(a)pyrene	330										
Indeno(1,2,3-cd)pyrene	330										
Dibenzo(a,h)anthracene	330										
Benzo(g,h,i)perylene	330										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0001
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0017		C0018		C0019		C0023		C0024	
Sampling Location :		SS22		SS23		SS24		SED3		SED4	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/5/2004		8/5/2004	
Time Sampled :		10:25		11:10		10:50		11:20		10:25	
Dilution Factor :		0.99		0.99		0.99		0.99		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	330										
Phenol	330										
bis-(2-Chloroethyl) ether	330										
2-Chlorophenol	330										
2-Methylphenol	330										
2,2'-oxybis(1-Chloropropane)	330										
Acetophenone	330										
4-Methylphenol	330										
N-Nitroso-di-n-propylamine	330										
Hexachloroethane	330										
Nitrobenzene	330										
Isophorone	330										
2-Nitrophenol	330										
2,4-Dimethylphenol	330										
bis(2-Chloroethoxy)methane	330										
2,4-Dichlorophenol	330										
Naphthalene	330										
4-Chloroaniline	330										
Hexachlorobutadiene	330										
Caprolactam	330										
4-Chloro-3-methylphenol	330										
2-Methylnaphthalene	330										
Hexachlorocyclopentadiene	330										
2,4,6-Trichlorophenol	330										
2,4,5-Trichlorophenol	830										
1,1'-Biphenyl	330										
2-Chloronaphthalene	330										
2-Nitroaniline	830										
Dimethylphthalate	330										
2,6-Dinitrotoluene	330										
Acenaphthylene	330										
3-Nitroaniline	830										

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0001
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0017		C0018		C0019		C0023		C0024	
Sampling Location :		SS22		SS23		SS24		SED3		SED4	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/5/2004		8/5/2004	
Time Sampled :		10:25		11:10		10:50		11:20		10:25	
Dilution Factor :		0.99		0.99		0.99		0.99		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	330										
2,4-Dinitrophenol	830										
4-Nitrophenol	830										
Dibenzofuran	330										
2,4-Dinitrotoluene	330										
Diethylphthalate	330										
Fluorene	330										
4-Chlorophenyl-phenyl ether	330										
4-Nitroaniline	830										
4,6-Dinitro-2-methylphenol	830										
N-Nitrosodiphenylamine	330										
4-Bromophenyl-phenylether	330										
Hexachlorobenzene	330										
Atrazine	330										
Pentachlorophenol	830										
Phenanthrene	330										
Anthracene	330										
Carbazole	330										
Di-n-butylphthalate	330										
Fluoranthene	330							130	J		
Pyrene	330							130	J		
Butylbenzylphthalate	330										
3,3'-Dichlorobenzidine	330										
Benzo(a)anthracene	330							75	J		
Chrysene	330							110	J		
bis(2-Ethylhexyl)phthalate	330			89	J			150	J	130	J
Di-n-octylphthalate	330										
Benzo(b)fluoranthene	330							100	J		
Benzo(k)fluoranthene	330							79	J		
Benzo(a)pyrene	330							69	J		
Indeno(1,2,3-cd)pyrene	330							56	J		
Dibenzo(a,h)anthracene	330										
Benzo(g,h,i)perylene	330										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0021
NEW JERSEY FIREWORKS
CEIMIC

Number of Soil Samples : 6
Number of Water Samples : 0

Sample Number :		C0021		C0022		C0025		C0026		C0027	
Sampling Location :		SED1		SED2		SED5		SED6		SED7	
Field QC:										Dup. of C0028	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/5/2004		8/5/2004		8/5/2004		8/5/2004		8/5/2004	
Time Sampled :		11:25		11:45		09:50		09:35		08:50	
Dilution Factor :		1.0		0.98		0.99		0.98		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	330									74	J
Phenol	330										
bis-(2-Chloroethyl) ether	330										
2-Chlorophenol	330										
2-Methylphenol	330										
2,2'-oxybis(1-Chloropropane)	330										
Acetophenone	330										
4-Methylphenol	330									860	
N-Nitroso-di-n-propylamine	330										
Hexachloroethane	330										
Nitrobenzene	330										
Isophorone	330										
2-Nitrophenol	330										
2,4-Dimethylphenol	330										
bis(2-Chloroethoxy)methane	330										
2,4-Dichlorophenol	330										
Naphthalene	330										
4-Chloroaniline	330										
Hexachlorobutadiene	330										
Caprolactam	330										
4-Chloro-3-methylphenol	330										
2-Methylnaphthalene	330										
Hexachlorocyclopentadiene	330										
2,4,6-Trichlorophenol	330										
2,4,5-Trichlorophenol	830										
1,1'-Biphenyl	330										
2-Chloronaphthalene	330										
2-Nitroaniline	830										
Dimethylphthalate	330										
2,6-Dinitrotoluene	330										
Acenaphthylene	330										
3-Nitroaniline	830										

ORIGINAL

Case #: 33178 SDG : C0021
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0021		C0022		C0025		C0026		C0027	
Sampling Location :		SED1		SED2		SED5		SED6		SED7	
Field QC:										Dup. of C0028	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/5/2004		8/5/2004		8/5/2004		8/5/2004		8/5/2004	
Time Sampled :		11:25		11:45		09:50		09:35		08:50	
Dilution Factor :		1.0		0.98		0.99		0.98		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	330										
2,4-Dinitrophenol	830										
4-Nitrophenol	830										
Dibenzofuran	330										
2,4-Dinitrotoluene	330										
Diethylphthalate	330										
Fluorene	330										
4-Chlorophenyl-phenyl ether	330										
4-Nitroaniline	830										
4,6-Dinitro-2-methylphenol	830										
N-Nitrosodiphenylamine	330										
4-Bromophenyl-phenylether	330										
Hexachlorobenzene	330										
Atrazine	330										
Pentachlorophenol	830										
Phenanthrene	330										
Anthracene	330										
Carbazole	330										
Di-n-butylphthalate	330										
Fluoranthene	330					230	J				
Pyrene	330					260	J				
Butylbenzylphthalate	330										
3,3'-Dichlorobenzidine	330										
Benzo(a)anthracene	330					140	J				
Chrysene	330					190	J				
bis(2-Ethylhexyl)phthalate	330	500		570		550		380	J	600	
Di-n-octylphthalate	330										
Benzo(b)fluoranthene	330					230	J				
Benzo(k)fluoranthene	330					170	J				
Benzo(a)pyrene	330										
Indeno(1,2,3-cd)pyrene	330										
Dibenzo(a,h)anthracene	330										
Benzo(g,h,i)perylene	330										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL

Case #: 33178 SDG : C0021
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0028									
Sampling Location :		SED8									
Field QC:		Dup. of C0027									
Matrix :		Soil									
Units :		ug/Kg									
Date Sampled :		8/5/2004									
Time Sampled :		08:55									
Dilution Factor :		0.99									
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	330	54	J								
Phenol	330										
bis-(2-Chloroethyl) ether	330										
2-Chlorophenol	330										
2-Methylphenol	330										
2,2'-oxybis(1-Chloropropane)	330										
Acetophenone	330										
4-Methylphenol	330	280	J								
N-Nitroso-di-n-propylamine	330										
Hexachloroethane	330										
Nitrobenzene	330										
Isophorone	330										
2-Nitrophenol	330										
2,4-Dimethylphenol	330										
bis(2-Chloroethoxy)methane	330										
2,4-Dichlorophenol	330										
Naphthalene	330										
4-Chloroaniline	330										
Hexachlorobutadiene	330										
Caprolactam	330										
4-Chloro-3-methylphenol	330										
2-Methylnaphthalene	330										
Hexachlorocyclopentadiene	330										
2,4,6-Trichlorophenol	330										
2,4,5-Trichlorophenol	830										
1,1'-Biphenyl	330										
2-Chloronaphthalene	330										
2-Nitroaniline	830										
Dimethylphthalate	330										
2,6-Dinitrotoluene	330										
Acenaphthylene	330										
3-Nitroaniline	830										

ORIGINAL

Case #: 33178 SDG : C0021
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0028									
Sampling Location :		SED8									
Field QC:		Dup. of C0027									
Matrix :		Soil									
Units :		ug/Kg									
Date Sampled :		8/5/2004									
Time Sampled :		08:55									
%Moisture :		27									
Dilution Factor :		0.99									
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	330										
2,4-Dinitrophenol	830										
4-Nitrophenol	830										
Dibenzofuran	330										
2,4-Dinitrotoluene	330										
Diethylphthalate	330										
Fluorene	330										
4-Chlorophenyl-phenyl ether	330										
4-Nitroaniline	830										
4,6-Dinitro-2-methylphenol	830										
N-Nitrosodiphenylamine	330										
4-Bromophenyl-phenylether	330										
Hexachlorobenzene	330										
Atrazine	330										
Pentachlorophenol	830										
Phenanthrene	330										
Anthracene	330										
Carbazole	330										
Di-n-butylphthalate	330										
Fluoranthene	330										
Pyrene	330										
Butylbenzylphthalate	330										
3,3'-Dichlorobenzidine	330										
Benzo(a)anthracene	330										
Chrysene	330										
bis(2-Ethylhexyl)phthalate	330	670									
Di-n-octylphthalate	330										
Benzo(b)fluoranthene	330										
Benzo(k)fluoranthene	330										
Benzo(a)pyrene	330										
Indeno(1,2,3-cd)pyrene	330										
Dibenzo(a,h)anthracene	330										
Benzo(g,h,i)perylene	330										

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100 Revised 09/99

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0032
NEW JERSEY FIREWORKS
CEIMIC

Number of Soil Samples : 0
Number of Water Samples : 2

Sample Number :		C0032		C0041							
Sampling Location :		SW4		SW14							
Field QC:				Field Blank							
Matrix :		Water		Water							
Units :		ug/L		ug/L							
Date Sampled :		8/5/2004		8/5/2004							
Time Sampled :		10:20		10:50							
pH :		1.0		1.0							
Dilution Factor :		1.0		1.0							
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	10										
Phenol	10										
bis-(2-Chloroethyl) ether	10										
2-Chlorophenol	10										
2-Methylphenol	10										
2,2'-oxybis(1-Chloropropane)	10										
Acetophenone	10										
4-Methylphenol	10										
N-Nitroso-di-n-propylamine	10										
Hexachloroethane	10										
Nitrobenzene	10										
Isophorone	10										
2-Nitrophenol	10										
2,4-Dimethylphenol	10										
bis(2-Chloroethoxy)methane	10										
2,4-Dichlorophenol	10										
Naphthalene	10										
4-Chloroaniline	10										
Hexachlorobutadiene	10										
Caprolactam	10										
4-Chloro-3-methylphenol	10										
2-Methylnaphthalene	10										
Hexachlorocyclopentadiene	10										
2,4,6-Trichlorophenol	10										
2,4,5-Trichlorophenol	25										
1,1'-Biphenyl	10										
2-Chloronaphthalene	10										
2-Nitroaniline	25										
Dimethylphthalate	10										
2,6-Dinitrotoluene	10										
Acenaphthylene	10										
3-Nitroaniline	25										

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0032
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0032		C0041							
Sampling Location :		SW4		SW14							
Field QC:				Field Blank							
Matrix :		Water		Water							
Units :		ug/L		ug/L							
Date Sampled :		8/5/2004		8/5/2004							
Time Sampled :		10:20		10:50							
pH :		1.0		1.0							
Dilution Factor :		1.0		1.0							
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	10										
2,4-Dinitrophenol	25										
4-Nitrophenol	25										
Dibenzofuran	10										
2,4-Dinitrotoluene	10										
Diethylphthalate	10			19							
Fluorene	10										
4-Chlorophenyl-phenyl ether	10										
4-Nitroaniline	25										
4,6-Dinitro-2-methylphenol	25										
N-Nitrosodiphenylamine	10										
4-Bromophenyl-phenylether	10										
*Hexachlorobenzene	10										
Atrazine	10										
*Pentachlorophenol	25										
Phenanthrene	10										
Anthracene	10										
Carbazole	10										
Di-n-butylphthalate	10										
Fluoranthene	10										
Pyrene	10										
Butylbenzylphthalate	10										
3,3'-Dichlorobenzidine	10										
Benzo(a)anthracene	10										
Chrysene	10										
bis(2-Ethylhexyl)phthalate	10										
Di-n-octylphthalate	10										
Benzo(b)fluoranthene	10										
Benzo(k)fluoranthene	10										
Benzo(a)pyrene	10										
Indeno(1,2,3-cd)pyrene	10										
Dibenzo(a,h)anthracene	10										
Benzo(g,h,i)perylene	10										

CRQL = Contract Required Quantitation Limit
*Action Level Exists
SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)
Revised 09/99

ORIGINAL

DATA SUMMARY FORM: BNA

Case #: 33178 SDG : C0038 Number of Soil Samples : 0
Site : NEW JERSEY FIREWORKS Number of Water Samples : 18
Lab. : CEIMIC

Sample Number :		C0029		C0030		C0031		C0033		C0034	
Sampling Location :		SW1		SW2		SW3		SW5		SW6	
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		8/5/2004		8/5/2004		8/5/2004		8/5/2004		8/5/2004	
Time Sampled :		11:20		11:40		11:15		09:45		09:30	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	10										
Phenol	10										
bis-(2-Chloroethyl) ether	10										
2-Chlorophenol	10										
2-Methylphenol	10										
2,2'-oxybis(1-Chloropropane)	10										
Acetophenone	10										
4-Methylphenol	10										
N-Nitroso-di-n-propylamine	10										
Hexachloroethane	10										
Nitrobenzene	10										
Isophorone	10										
2-Nitrophenol	10										
2,4-Dimethylphenol	10										
bis(2-Chloroethoxy)methane	10										
2,4-Dichlorophenol	10										
Naphthalene	10										
4-Chloroaniline	10										
Hexachlorobutadiene	10										
Caprolactam	10										
4-Chloro-3-methylphenol	10										
2-Methylnaphthalene	10										
Hexachlorocyclopentadiene	10										
2,4,6-Trichlorophenol	10										
2,4,5-Trichlorophenol	25										
1,1'-Biphenyl	10										
2-Chloronaphthalene	10										
2-Nitroaniline	25										
Dimethylphthalate	10										
2,6-Dinitrotoluene	10										
Acenaphthylene	10										
3-Nitroaniline	25										

ORIGINAL

DATA SUMMARY FORM: BNA

Case #: 33178 SDG : C0038
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0029		C0030		C0031		C0033		C0034	
Sampling Location :		SW1		SW2		SW3		SW5		SW6	
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		8/5/2004		8/5/2004		8/5/2004		8/5/2004		8/5/2004	
Time Sampled :		11:20		11:40		11:15		09:45		09:30	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	10										
2,4-Dinitrophenol	25										
4-Nitrophenol	25										
Dibenzofuran	10										
2,4-Dinitrotoluene	10										
Diethylphthalate	10										
Fluorene	10										
4-Chlorophenyl-phenyl ether	10										
4-Nitroaniline	25										
4,6-Dinitro-2-methylphenol	25										
N-Nitrosodiphenylamine	10										
4-Bromophenyl-phenylether	10										
*Hexachlorobenzene	10										
Atrazine	10										
*Pentachlorophenol	25										
Phenanthrene	10										
Anthracene	10										
Carbazole	10										
Di-n-butylphthalate	10										
Fluoranthene	10										
Pyrene	10										
Butylbenzylphthalate	10										
3,3'-Dichlorobenzidine	10										
Benzo(a)anthracene	10										
Chrysene	10										
bis(2-Ethylhexyl)phthalate	10										
Di-n-octylphthalate	10										
Benzo(b)fluoranthene	10										
Benzo(k)fluoranthene	10										
Benzo(a)pyrene	10										
Indeno(1,2,3-cd)pyrene	10										
Dibenzo(a,h)anthracene	10										
Benzo(g,h,i)perylene	10										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (CRQL * Dilution Factor) Revised 09/99

ORIGINAL

DATA SUMMARY FORM: BNA

Case #: 33178 SDG : C0038
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0035		C0036		C0037		C0039		C0042	
Sampling Location :		SW7		SW8		SW9		SW12		MW1	
Field QC:		Dup of C0036		Dup. of C0035				Field Blank			
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		8/5/2004		8/5/2004		8/5/2004		8/4/2004		8/4/2004	
Time Sampled :		08:35		08:40		10:30		12:15		10:30	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	10										
Phenol	10										
bis-(2-Chloroethyl) ether	10										
2-Chlorophenol	10										
2-Methylphenol	10										
2,2'-oxybis(1-Chloropropane)	10										
Acetophenone	10										
4-Methylphenol	10										
N-Nitroso-di-n-propylamine	10										
Hexachloroethane	10										
Nitrobenzene	10										
Isophorone	10										
2-Nitrophenol	10										
2,4-Dimethylphenol	10										
bis(2-Chloroethoxy)methane	10										
2,4-Dichlorophenol	10										
Naphthalene	10										
4-Chloroaniline	10										
Hexachlorobutadiene	10										
Caprolactam	10										
4-Chloro-3-methylphenol	10										
2-Methylnaphthalene	10										
Hexachlorocyclopentadiene	10										
2,4,6-Trichlorophenol	10										
2,4,5-Trichlorophenol	25										
1,1'-Biphenyl	10										
2-Chloronaphthalene	10										
2-Nitroaniline	25										
Dimethylphthalate	10										
2,6-Dinitrotoluene	10										
Acenaphthylene	10										
3-Nitroaniline	25										

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0038
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0035		C0036		C0037		C0039		C0042	
Sampling Location :		SW7		SW8		SW9		SW12		MW1	
Field QC:		Dup. od C0036		Dup. of C0035				Field Blank			
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		8/5/2004		8/5/2004		8/5/2004		8/4/2004		8/4/2004	
Time Sampled :		08:35		08:40		10:30		12:15		10:30	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	10										
2,4-Dinitrophenol	25										
4-Nitrophenol	25										
Dibenzofuran	10										
2,4-Dinitrotoluene	10										
Diethylphthalate	10							7	J		
Fluorene	10										
4-Chlorophenyl-phenyl ether	10										
4-Nitroaniline	25										
4,6-Dinitro-2-methylphenol	25										
N-Nitrosodiphenylamine	10										
4-Bromophenyl-phenylether	10										
*Hexachlorobenzene	10										
Atrazine	10										
Pentachlorophenol	25										
Phenanthrene	10										
Anthracene	10										
Carbazole	10										
Di-n-butylphthalate	10			5	J						
Fluoranthene	10										
Pyrene	10										
Butylbenzylphthalate	10										
3,3'-Dichlorobenzidine	10										
Benzo(a)anthracene	10										
Chrysene	10										
bis(2-Ethylhexyl)phthalate	10										
Di-n-octylphthalate	10										
Benzo(b)fluoranthene	10										
Benzo(k)fluoranthene	10										
Benzo(a)pyrene	10										
Indeno(1,2,3-cd)pyrene	10										
Dibenzo(a,h)anthracene	10										
Benzo(g,h,i)perylene	10										

CRQL = Contract Required Quantitation Limit
*Action Level Exists
SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)
Revised 09/99

ORIGINAL

Case #: 33178 SDG : C0038
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0043		C0044		C0045		C0046		C0047	
Sampling Location :		MW1A		MW2		MW3		MW3A		MW4	
Field QC:						Dup. of C0052					
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		8/4/2004		8/4/2004		8/4/2004		8/4/2004		8/4/2004	
Time Sampled :		11:10		12:20		13:25		14:00		10:45	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	10										
Phenol	10					6	J				
bis-(2-Chloroethyl) ether	10										
2-Chlorophenol	10										
2-Methylphenol	10										
2,2'-oxybis(1-Chloropropane)	10										
Acetophenone	10										
4-Methylphenol	10										
N-Nitroso-di-n-propylamine	10										
Hexachloroethane	10										
Nitrobenzene	10										
Isophorone	10										
2-Nitrophenol	10										
2,4-Dimethylphenol	10										
bis(2-Chloroethoxy)methane	10										
2,4-Dichlorophenol	10										
Naphthalene	10										
4-Chloroaniline	10										
Hexachlorobutadiene	10										
Caprolactam	10										
4-Chloro-3-methylphenol	10										
2-Methylnaphthalene	10										
Hexachlorocyclopentadiene	10										
2,4,6-Trichlorophenol	10										
2,4,5-Trichlorophenol	25										
1,1'-Biphenyl	10										
2-Chloronaphthalene	10										
2-Nitroaniline	25										
Dimethylphthalate	10										
2,6-Dinitrotoluene	10										
Acenaphthylene	10										
3-Nitroaniline	25										

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0038
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0043		C0044		C0045		C0046		C0047	
Sampling Location :		MW1A		MW2		MW3		MW3A		MW4	
Field QC:						Dup. od C0052					
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		8/4/2004		8/4/2004		8/4/2004		8/4/2004		8/4/2004	
Time Sampled :		11:10		12:20		13:25		14:00		10:45	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	10										
2,4-Dinitrophenol	25										
4-Nitrophenol	25										
Dibenzofuran	10										
2,4-Dinitrotoluene	10										
Diethylphthalate	10									1	B
Fluorene	10										
4-Chlorophenyl-phenyl ether	10										
4-Nitroaniline	25										
4,6-Dinitro-2-methylphenol	25										
N-Nitrosodiphenylamine	10										
4-Bromophenyl-phenylether	10										
*Hexachlorobenzene	10										
Atrazine	10										
*Pentachlorophenol	25										
Phenanthrene	10										
Anthracene	10										
Carbazole	10										
Di-n-butylphthalate	10										
Fluoranthene	10										
Pyrene	10										
Butylbenzylphthalate	10										
3,3'-Dichlorobenzidine	10										
Benzo(a)anthracene	10										
Chrysene	10										
bis(2-Ethylhexyl)phthalate	10	2	J			4	J				
Di-n-octylphthalate	10										
Benzo(b)fluoranthene	10										
Benzo(k)fluoranthene	10										
Benzo(a)pyrene	10										
Indeno(1,2,3-cd)pyrene	10										
Dibenzo(a,h)anthracene	10										
Benzo(g,h,i)perylene	10										

CRQL = Contract Required Quantitation Limit
*Action Level Exists
SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (CRQL * Dilution Factor)
Revised 09/99

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0038
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0049		C0051		C0052					
Sampling Location :		PW5		GW2		GW3					
Field QC:						Dup. of C0045					
Matrix :		Water		Water		Water					
Units :		ug/L		ug/L		ug/L					
Date Sampled :		8/3/2004		8/4/2004		8/4/2004					
Time Sampled :		11:40		09:00		13:25					
Dilution Factor :		1.0		1.0		1.0					
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	10										
Phenol	10					4	J				
bis-(2-Chloroethyl) ether	10										
2-Chlorophenol	10										
2-Methylphenol	10										
2,2'-oxybis(1-Chloropropane)	10										
Acetophenone	10										
4-Methylphenol	10										
N-Nitroso-di-n-propylamine	10										
Hexachloroethane	10										
Nitrobenzene	10										
Isophorone	10										
2-Nitrophenol	10										
2,4-Dimethylphenol	10										
bis(2-Chloroethoxy)methane	10										
2,4-Dichlorophenol	10										
Naphthalene	10										
4-Chloroaniline	10										
Hexachlorobutadiene	10										
Caprolactam	10										
4-Chloro-3-methylphenol	10										
2-Methylnaphthalene	10										
Hexachlorocyclopentadiene	10										
2,4,6-Trichlorophenol	10										
2,4,5-Trichlorophenol	25										
1,1'-Biphenyl	10										
2-Chloronaphthalene	10										
2-Nitroaniline	25										
Dimethylphthalate	10										
2,6-Dinitrotoluene	10										
Acenaphthylene	10										
3-Nitroaniline	25										

ORIGINAL

Case #: 33178 SDG : C0038

Site : NEW JERSEY FIREWORKS

Lab. : CEIMIC

Sample Number :		C0049		C0051		C0052					
Sampling Location :		PW5		GW2		GW3					
Field QC:						Dup. of C0045					
Matrix :		Water		Water		Water					
Units :		ug/L		ug/L		ug/L					
Date Sampled :		8/3/2004		8/4/2004		8/4/2004					
Time Sampled :		11:40		09:00		13:25					
Dilution Factor :		1.0		1.0		1.0					
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	10										
2,4-Dinitrophenol	25										
4-Nitrophenol	25										
Dibenzofuran	10										
2,4-Dinitrotoluene	10										
Diethylphthalate	10										
Fluorene	10										
4-Chlorophenyl-phenyl ether	10										
4-Nitroaniline	25										
4,6-Dinitro-2-methylphenol	25										
N-Nitrosodiphenylamine	10										
4-Bromophenyl-phenylether	10										
*Hexachlorobenzene	10										
Atrazine	10										
*Pentachlorophenol	25										
Phenanthrene	10										
Anthracene	10										
Carbazole	10										
Di-n-butylphthalate	10										
Fluoranthene	10										
Pyrene	10										
Butylbenzylphthalate	10										
3,3'-Dichlorobenzidine	10										
Benzo(a)anthracene	10										
Chrysene	10										
bis(2-Ethylhexyl)phthalate	10					1	J				
Di-n-octylphthalate	10										
Benzo(b)fluoranthene	10										
Benzo(k)fluoranthene	10										
Benzo(a)pyrene	10										
Indeno(1,2,3-cd)pyrene	10										
Dibenzo(a,h)anthracene	10										
Benzo(g,h,i)perylene	10										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) Revised 09/99

ORIGINAL

DATA SUMMARY FORM: PESTICIDES AND PCBS

Case #: 33178
Site :
Lab. :

SDG : C0001
NEW JERSEY FIREWORKS
CEIMIC

Number of Soil Samples : 20
Number of Water Samples : 0

Sample Number :		C0001		C0002		C0003		C0004		C0005	
Sampling Location :		S11		S12		S13		S14		S15	
Field QC:		Dup. of C0005								Dup. of C0001	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		12:30		14:16		12:05		11:30		12:35	
Dilution Factor :		0.99		1.0		0.98		0.98		0.99	
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7										
beta-BHC	1.7										
delta-BHC	1.7										
gamma-BHC (Lindane)	1.7										
Heptachlor	1.7										
Aldrin	1.7										
Heptachlor epoxide	1.7										
Endosulfan I	1.7										
Dieldrin	3.3										
4,4'-DDE	3.3							19			
Endrin	3.3										
Endosulfan II	3.3										
4,4'-DDD	3.3										
Endosulfan sulfate	3.3										
4,4'-DDT	3.3							5.0	J		
Methoxychlor	17										
Endrin ketone	3.3										
Endrin aldehyde	3.3										
alpha-Chlordane	1.7										
gamma-Chlordane	1.7										
Toxaphene	170										
Aroclor-1016	33										
Aroclor-1221	67										
Aroclor-1232	33										
Aroclor-1242	33										
Aroclor-1248	33										
Aroclor-1254	33										
Aroclor-1260	33										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL

Case #: 33178 SDG : C0001
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0006		C0007		C0008		C0009		C0010	
Sampling Location :		S16		S21		S22		S23		S24	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		14:06		09:55		10:20		11:05		10:45	
%Moisture :		21		27		18		9		14	
Dilution Factor :		0.99		1.0		1.0		1.0		0.99	
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7										
beta-BHC	1.7										
delta-BHC	1.7										
gamma-BHC (Lindane)	1.7										
Heptachlor	1.7										
Aldrin	1.7										
Heptachlor epoxide	1.7										
Endosulfan I	1.7										
Dieldrin	3.3										
4,4'-DDE	3.3										
Endrin	3.3										
Endosulfan II	3.3										
4,4'-DDD	3.3										
Endosulfan sulfate	3.3										
4,4'-DDT	3.3										
Methoxychlor	17										
Endrin ketone	3.3										
Endrin aldehyde	3.3										
alpha-Chlordane	1.7										
gamma-Chlordane	1.7										
Toxaphene	170										
Aroclor-1016	33										
Aroclor-1221	67										
Aroclor-1232	33										
Aroclor-1242	33										
Aroclor-1248	33										
Aroclor-1254	33										
Aroclor-1260	33										

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100 Revised 09/99

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0001
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0011		C0012		C0014		C0015		C0016	
Sampling Location :		S25		SS11		SS13		SS14		SS21	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/3/2004		8/3/2004	
Time Sampled :		10:00		12:40		12:10		11:35		10:05	
%Moisture :		27		16		7		13		18	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7										
beta-BHC	1.7										
delta-BHC	1.7										
gamma-BHC (Lindane)	1.7										
Heptachlor	1.7										
Aldrin	1.7										
Heptachlor epoxide	1.7										
Endosulfan I	1.7										
Dieldrin	3.3										
4,4'-DDE	3.3										
Endrin	3.3										
Endosulfan II	3.3										
4,4'-DDD	3.3										
Endosulfan sulfate	3.3										
4,4'-DDT	3.3										
Methoxychlor	17										
Endrin ketone	3.3										
Endrin aldehyde	3.3										
alpha-Chlordane	1.7										
gamma-Chlordane	1.7										
Toxaphene	170										
Aroclor-1016	33										
Aroclor-1221	67										
Aroclor-1232	33										
Aroclor-1242	33										
Aroclor-1248	33										
Aroclor-1254	33										
Aroclor-1260	33										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0001
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0017		C0018		C0019		C0023		C0024	
Sampling Location :		SS22		SS23		SS24		SED3		SED4	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/3/2004		8/3/2004		8/3/2004		8/5/2004		8/5/2004	
Time Sampled :		10:25		11:10		10:50		11:20		10:25	
%Moisture :		18		13		15		31		18	
Dilution Factor :		1.0		0.99		1.0		0.99		0.98	
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7										
beta-BHC	1.7										
delta-BHC	1.7										
gamma-BHC (Lindane)	1.7										
Heptachlor	1.7										
Aldrin	1.7										
Heptachlor epoxide	1.7										
Endosulfan I	1.7										
Dieldrin	3.3										
4,4'-DDE	3.3										
Endrin	3.3										
Endosulfan II	3.3										
4,4'-DDD	3.3										
Endosulfan sulfate	3.3										
4,4'-DDT	3.3										
Methoxychlor	17										
Endrin ketone	3.3										
Endrin aldehyde	3.3										
alpha-Chlordane	1.7										
gamma-Chlordane	1.7										
Toxaphene	170										
Aroclor-1016	33										
Aroclor-1221	67										
Aroclor-1232	83										
Aroclor-1242	33										
Aroclor-1248	33										
Aroclor-1254	33										
Aroclor-1260	33										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL

Case #: 33178 SDG : C0021 Number of Soil Samples : 6
Site : NEW JERSEY FIREWORKS Number of Water Samples : 0
Lab. : CEIMIC

Sample Number :		C0021		C0022		C0025		C0026		C0027	
Sampling Location :		SED1		SED2		SED5		SED6		SED7	
Field QC:										Dup. of C0028	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/5/2004		8/5/2004		8/5/2004		8/5/2004		8/5/2004	
Time Sampled :		11:25		11:45		09:50		09:35		08:50	
Dilution Factor :		0.98		1.0		1.0		0.98		0.99	
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7										
beta-BHC	1.7										
delta-BHC	1.7										
gamma-BHC (Lindane)	1.7										
Heptachlor	1.7										
Aldrin	1.7										
Heptachlor epoxide	1.7										
Endosulfan I	1.7										
Dieldrin	3.3										
4,4'-DDE	3.3										
Endrin	3.3										
Endosulfan II	3.3										
4,4'-DDD	3.3										
Endosulfan sulfate	3.3										
4,4'-DDT	3.3										
Methoxychlor	17										
Endrin ketone	3.3										
Endrin aldehyde	3.3										
alpha-Chlordane	1.7										
gamma-Chlordane	1.7										
Toxaphene	170										
Aroclor-1016	33										
Aroclor-1221	67										
Aroclor-1232	33										
Aroclor-1242	33										
Aroclor-1248	33										
Aroclor-1254	33										
Aroclor-1260	33										

CRQL = Contract Required Quantitation Limit SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100 Revised 09/99

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0021
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0028									
Sampling Location :		SED8									
Field QC:		Dup. of C0027									
Matrix :		Soil									
Units :		ug/Kg									
Date Sampled :		8/5/2004									
Time Sampled :		08:55									
Dilution Factor :		0.98									
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7										
beta-BHC	1.7										
delta-BHC	1.7										
gamma-BHC (Lindane)	1.7										
Heptachlor	1.7										
Aldrin	1.7										
Heptachlor epoxide	1.7										
Endosulfan I	1.7										
Dieldrin	3.3										
4,4'-DDE	3.3										
Endrin	3.3										
Endosulfan II	3.3										
4,4'-DDD	3.3										
Endosulfan sulfate	3.3										
4,4'-DDT	3.3										
Methoxychlor	17										
Endrin ketone	3.3										
Endrin aldehyde	3.3										
alpha-Chlordane	1.7										
gamma-Chlordane	1.7										
Toxaphene	170										
Aroclor-1016	33										
Aroclor-1221	67										
Aroclor-1232	33										
Aroclor-1242	33										
Aroclor-1248	33										
Aroclor-1254	33										
Aroclor-1260	33										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (100 - %Moisture) / 100

Revised 09/99

ORIGINAL

Case #: 33178 SDG : C0032 Number of Soil Samples : 0
Site : NEW JERSEY FIREWORKS Number of Water Samples : 2
Lab. : CEIMIC

Sample Number :		C0032		C0041							
Sampling Location :		SW4		SW14							
Field QC:				Field Blank							
Matrix :		Water		Water							
Units :		ug/L		ug/L							
Date Sampled :		8/5/2004		8/5/2004							
Time Sampled :		10:20		10:50							
pH :		1.0		1.0							
Dilution Factor :		1.0		1.0							
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050										
beta-BHC	0.050										
delta-BHC	0.050										
*gamma-BHC (Lindane)	0.050										
*Heptachlor	0.050										
Aldrin	0.050										
Heptachlor epoxide	0.050										
Endosulfan I	0.050										
Dieldrin	0.10										
4,4'-DDE	0.10										
*Endrin	0.10										
Endosulfan II	0.10										
4,4'-DDD	0.10										
Endosulfan sulfate	0.10										
4,4'-DDT	0.10										
*Methoxychlor	0.50										
Endrin ketone	0.10										
Endrin aldehyde	0.10										
alpha-Chlordane	0.050										
gamma-Chlordane	0.050										
*Toxaphene	5.0										
*Aroclor-1016	1.0										
*Aroclor-1221	2.0										
*Aroclor-1232	1.0										
*Aroclor-1242	1.0										
*Aroclor-1248	1.0										
*Aroclor-1254	1.0										
*Aroclor-1260	1.0										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (CRQL * Dilution Factor) Revised 09/99

ORIGINAL

Case #: 33178 SDG : C0038 Number of Soil Samples : 0
Site : NEW JERSEY FIREWORKS Number of Water Samples : 18
Lab. : CEIMIC

Sample Number :		C0029		C0030		C0031		C0033		C0034	
Sampling Location :		SW1		SW2		SW3		SW5		SW6	
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		8/5/2004		8/5/2004		8/5/2004		8/5/2004		8/5/2004	
Time Sampled :		11:20		11:40		11:15		09:45		09:30	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050										
beta-BHC	0.050										
delta-BHC	0.050										
*gamma-BHC (Lindane)	0.050										
*Heptachlor	0.050										
Aldrin	0.050										
Heptachlor epoxide	0.050										
Endosulfan I	0.050										
Dieldrin	0.10										
4,4'-DDE	0.10										
*Endrin	0.10										
Endosulfan II	0.10										
4,4'-DDD	0.10										
Endosulfan sulfate	0.10										
4,4'-DDT	0.10										
*Methoxychlor	0.50										
Endrin ketone	0.10										
Endrin aldehyde	0.10										
alpha-Chlordane	0.050										
gamma-Chlordane	0.050										
*Toxaphene	5.0										
*Aroclor-1016	1.0										
*Aroclor-1221	2.0										
*Aroclor-1232	1.0										
*Aroclor-1242	1.0										
*Aroclor-1248	1.0										
*Aroclor-1254	1.0										
*Aroclor-1260	1.0										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (CRQL * Dilution Factor) Revised 09/99

ORIGINAL

Case #: 33178 SDG : C0038
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0035		C0036		C0037		C0039		C0042	
Sampling Location :		SW7		SW8		SW9		SW12		MW1	
Field QC:		Dup. of C0036		Dup. of C0035				Field Blank			
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		8/5/2004		8/5/2004		8/5/2004		8/4/2004		8/4/2004	
Time Sampled :		08:35		08:40		10:30		12:15		10:30	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050										
beta-BHC	0.050										
delta-BHC	0.050										
*gamma-BHC (Lindane)	0.050										
*Heptachlor	0.050										
Aldrin	0.050										
Heptachlor epoxide	0.050										
Endosulfan I	0.050										
Dieldrin	0.10										
4,4'-DDE	0.10										
*Endrin	0.10										
Endosulfan II	0.10										
4,4'-DDD	0.10										
Endosulfan sulfate	0.10										
4,4'-DDT	0.10										
*Methoxychlor	0.50										
Endrin ketone	0.10										
Endrin aldehyde	0.10										
alpha-Chlordane	0.050										
gamma-Chlordane	0.050										
*Toxaphene	5.0										
*Aroclor-1016	1.0										
*Aroclor-1221	2.0										
*Aroclor-1232	1.0										
*Aroclor-1242	1.0										
*Aroclor-1248	1.0										
*Aroclor-1254	1.0										
*Aroclor-1260	1.0										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) Revised 09/99

ORIGINAL

Case #: 33178 SDG : C0038
Site : NEW JERSEY FIREWORKS
Lab. : CEIMIC

Sample Number :		C0043		C0044		C0045		C0046		C0047	
Sampling Location :		MW1A		MW2		MW3		MW3A		MW4	
Field QC:						Dup. of C0052					
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		8/4/2004		8/4/2004		8/4/2004		8/4/2004		8/4/2004	
Time Sampled :		11:10		12:20		13:25		14:00		10:45	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050										
beta-BHC	0.050										
delta-BHC	0.050										
*gamma-BHC (Lindane)	0.050										
*Heptachlor	0.050										
Aldrin	0.050										
Heptachlor epoxide	0.050										
Endosulfan I	0.050										
Dieldrin	0.10										
4,4'-DDE	0.10										
*Endrin	0.10										
Endosulfan II	0.10										
4,4'-DDD	0.10										
Endosulfan sulfate	0.10										
4,4'-DDT	0.10										
*Methoxychlor	0.50										
Endrin ketone	0.10										
Endrin aldehyde	0.10										
alpha-Chlordane	0.050										
gamma-Chlordane	0.050										
*Toxaphene	5.0										
*Aroclor-1016	1.0										
*Aroclor-1221	2.0										
*Aroclor-1232	1.0										
*Aroclor-1242	1.0										
*Aroclor-1248	1.0										
*Aroclor-1254	1.0										
*Aroclor-1260	1.0										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) Revised 09/99

ORIGINAL

Case #: 33178
Site :
Lab. :

SDG : C0038
NEW JERSEY FIREWORKS
CEIMIC

Sample Number :		C0049		C0051		C0052					
Sampling Location :		PW5		GW2		GW3					
Field QC:						Dup. of C0045					
Matrix :		Water		Water		Water					
Units :		ug/L		ug/L		ug/L					
Date Sampled :		8/3/2004		8/4/2004		8/4/2004					
Time Sampled :		11:40		09:00		13:25					
Dilution Factor :		1.0		1.0		1.0					
Pesticide/PCB Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050										
beta-BHC	0.050										
delta-BHC	0.050										
*gamma-BHC (Lindane)	0.050										
*Heptachlor	0.050										
Aldrin	0.050										
Heptachlor epoxide	0.050										
Endosulfan I	0.050										
Dieldrin	0.10										
4,4'-DDE	0.10										
*Endrin	0.10										
Endosulfan II	0.10										
4,4'-DDD	0.10										
Endosulfan sulfate	0.10										
4,4'-DDT	0.10										
*Methoxychlor	0.50										
Endrin ketone	0.10										
Endrin aldehyde	0.10										
alpha-Chlordane	0.050										
gamma-Chlordane	0.050										
*Toxaphene	5.0										
*Aroclor-1016	1.0										
*Aroclor-1221	2.0										
*Aroclor-1232	1.0										
*Aroclor-1242	1.0										
*Aroclor-1248	1.0										
*Aroclor-1254	1.0										
*Aroclor-1260	1.0										

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) Revised 09/99

Appendix C
Tentatively Identified Compounds (TICs)

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C0018

ORIGINAL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-16

Sample wt/vol: 4.2 (g/mL) G Lab File ID: OH662

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: not dec. 11 Date Analyzed: 08/05/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.54	7	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE ORIGINAL

C02B8

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0032

Matrix: (soil/water) WATER Lab Sample ID: 040791-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D0151

Level: (low/med) LOW Date Received: 08/06/04

% Moisture: not dec. _____ Date Analyzed: 08/09/04

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		~~UNKNOWN~~	~~15.70~~	~~10~~	~~J~~
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

SA 09/10/04.

1G

EPA SAMPLE NO.

C0001 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JM037

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 22 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.2 Extraction: (Type) SONC

Number TICs found: 27

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~UNKNOWN~~	~~5.36~~	~~350~~	~~JB~~
2.		UNKNOWN	6.16	230	J
3.		UNKNOWN	7.62	330	J
~~4.~~		~~UNKNOWN~~	~~7.68~~	~~190~~	~~JB~~
5.	57-10-3	HEXADECANOIC ACID	12.26	300	NJ
6.		UNKNOWN	12.83	190	J
7.		UNKNOWN	12.93	150	J
8.		UNKNOWN	12.99	190	J
~~9.~~	~~123-95-5~~	~~OCTADECANOIC~~ ACID, BUTYL EST	~~13.75~~	910	NJ
10.		UNKNOWN	13.94	830	J
11.	506-52-5	1-HEXACOSANOL	~~14.16~~	~~440~~	NJ
12.		UNKNOWN	14.75	600	J
13.		UNKNOWN	15.03	210	J
~~14.~~	~~638-66-4~~	~~OCTADECANAL~~ Unknown	15.76	650	NJ
15.		UNKNOWN	16.22	170	J
16.		UNKNOWN	16.92	200	J
~~17.~~	~~638-66-4~~	~~OCTADECANAL~~ Unknown	17.09	~~840~~	NJ
18.		UNKNOWN	17.73	680	J
19.		UNKNOWN	17.94	130	J
20.		UNKNOWN	18.68	180	J
21.		UNKNOWN	18.92	440	J
22.		UNKNOWN	19.79	750	J
23.		UNKNOWN	20.27	200	J
24.		UNKNOWN	21.77	190	J
25.		UNKNOWN	22.09	220	J
26.		UNKNOWN	22.64	360	J
27.		UNKNOWN	23.02	440	J
28.					
29.					
30.					

SV.

09/15/04

1G

EPA SAMPLE NO.

C000 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K9677

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 25 Decanted: (Y/N) N Date Extracted: 08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.12	360	J
2.		UNKNOWN	10.67	570	J
3.		UNKNOWN	11.30	300	JB
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1G

EPA SAMPLE NO.

C000 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-09

Sample wt/vol: 30.5 (g/mL) G Lab File ID: K9680

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 8 Decanted: (Y/N) N Date Extracted: 08/06/04

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/12/04

Injection Volume: 2.0 (uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 8.6 Extraction: (Type) SONC

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.68	830	J
~~2.~~	~~791-28-6~~	~~PHOSPHINE OXIDE, TRIPHENYL~~	~~11.31~~	~~970~~	~~NJB~~
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1G

EPA SAMPLE NO.

ORIGINAL

C000

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K9675

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 22 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Extraction: (Type) SONC

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.13	290	J
2.		UNKNOWN	10.68	530	J
3.		UNKNOWN	11.18	230	J
4.		~~UNKNOWN~~	~~11.32~~	~~350~~	~~JB~~
5.		UNKNOWN	12.02	310	J
6.		UNKNOWN	13.07	560	J
7.					
8.					
9.					
10.					
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EPA SAMPLE NO.

ORIGINAL

C0005

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-17

Sample wt/vol: 30.3 (g/mL) G Lab File ID: JM050

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 13 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.8 Extraction: (Type) SONC

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~UNKNOWN~~	~~5.36~~	~~230~~	~~JB~~
2.		UNKNOWN	6.15	170	J
3.	112-34-5	ETHANOL, 2-(2-BUTOXYETHOXY)-	7.62	220	NJ
4.		UNKNOWN	13.08	520	J
5.	123-95-5	OCTADECANOIC ACID, BUTYL EST	13.78	630	NJ
6.		UNKNOWN	13.96	440	J
7.		UNKNOWN	14.21	100	J
8.		UNKNOWN	14.77	370	J
9.		UNKNOWN	15.07	200	J
10.		UNKNOWN	15.80	150	J
11.					
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EPA SAMPLE NO.

C0006

ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-07

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K9678

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 21 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3 Extraction: (Type) SONC

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.12	220	J
2.		UNKNOWN	10.68	410	J
3.		UNKNOWN	11.16	290	J
~~4.~~		~~UNKNOWN~~	~~11.31~~	~~390~~	~~JB~~
5.		UNKNOWN	12.02	590	J
6.		UNKNOWN	12.19	380	J
7.		UNKNOWN	14.22	330	J
8.		UNKNOWN	14.73	20000	J
9.		UNKNOWN	15.62	470	J
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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

C0007

ORIGINAL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-08

Sample wt/vol: 30.3 (g/mL) G Lab File ID: K9679

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 27 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Extraction: (Type) SONC

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	123-08-0	BENZALDEHYDE, 4-HYDROXY-	6.67	500	NJ
2.		UNKNOWN	7.35	190	J
3.		UNKNOWN	10.12	240	J
4.		UNKNOWN	11.66	130	J
5.		UNKNOWN	12.04	800	J
6.		UNKNOWN	12.10	700	J
7.		UNKNOWN	12.43	450	J
8.		UNKNOWN	12.49	640	J
9.		UNKNOWN	12.86	410	J
10.		UNKNOWN	12.93	270	J
11.		UNKNOWN	13.37	440	J
12.		UNKNOWN	16.84	1000	J
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EPA SAMPLE NO.

ORIGINAL

C0008

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-02

Sample wt/vol: 30.5 (g/mL) G Lab File ID: JM038

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 18 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Extraction: (Type) SONC

Number TICs found: 27 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~UNKNOWN~~	~~5.37~~	~~400~~	~~JB~~
2.		UNKNOWN	6.16	240	J
3.		UNKNOWN	7.62	240	J
~~4.~~		~~UNKNOWN~~	~~7.68~~	~~180~~	~~JB~~
5.		UNKNOWN	8.13	130	J
6.	629-73-2	1-HEXADECENE	11.95	240	NJ
7.	57-10-3	HEXADECANOIC ACID	12.26	150	NJ
8.		UNKNOWN	12.36	110	J
9.		UNKNOWN	12.48	100	J
10.	84-65-1	9,10-ANTHRACENEDIONE	12.66	160	NJ
11.		UNKNOWN	13.94	480	J
12.		UNKNOWN	14.33	100	J
13.		UNKNOWN	14.75	130	J
14.		UNKNOWN	14.90	290	J
15.		UNKNOWN	15.20	180	J
16.		UNKNOWN	15.57	150	J
17.		UNKNOWN	15.79	92	J
18.		UNKNOWN	15.92	250	J
19.		UNKNOWN	16.13	100	J
20.	192-97-2	BENZO[E]PYRENE	16.95	250	NJ
21.		UNKNOWN	17.74	120	J
22.		UNKNOWN	19.80	110	J
23.		UNKNOWN	20.29	170	J
24.		UNKNOWN	21.09	120	J
25.		UNKNOWN	21.34	120	J
26.		UNKNOWN	22.65	130	J
27.		UNKNOWN	23.78	290	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: K9686

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 9 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.6 Extraction: (Type) SONC

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	4.72	260	J
2.		UNKNOWN	5.71	230	J
3.		UNKNOWN	10.11	540	J
4.	646-13-9	OCTADECANOIC ACID, 2-METHYLP	10.65	890	NJ
~~5.~~		~~UNKNOWN~~	~~11.28~~	~~370~~	~~JB~~
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C0010

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-14

Sample wt/vol: 30.4 (g/mL) G Lab File ID: JM047

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 14 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.2 Extraction: (Type) SONC

Number TICs found: 14 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~UNKNOWN~~	~~5.37~~	~~330~~	~~JB~~
2.		UNKNOWN	6.16	390	J
3.		UNKNOWN	7.63	360	J
~~4.~~		~~UNKNOWN~~	~~7.68~~	~~160~~	~~JB~~
5.		UNKNOWN	9.03	110	J
6.	57-10-3	HEXADECANOIC ACID	12.26	90	NJ
7.		UNKNOWN	12.87	180	J
8.		UNKNOWN	13.09	580	J
9.	123-95-5	OCTADECANOIC ACID, BUTYL EST	13.78	980	NJ
10.		UNKNOWN	13.97	590	J
11.		UNKNOWN	14.84	470	J
12.		UNKNOWN	15.08	160	J
13.		UNKNOWN	16.26	240	J
14.		UNKNOWN	20.33	1700	J
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17.					
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C0011

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-10

Sample wt/vol: 30.4 (g/mL) G Lab File ID: K9683

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 27 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	6.67	390	J
2.		UNKNOWN	7.35	180	J
3.		UNKNOWN	7.37	210	J
4.		UNKNOWN	10.12	240	J
5.		UNKNOWN	11.66	100	J
6.		UNKNOWN	12.04	980	J
7.		UNKNOWN	12.32	170	J
8.		UNKNOWN	12.50	1000	J
9.		UNKNOWN	12.86	380	J
10.		UNKNOWN	12.93	310	J
11.		UNKNOWN	13.11	180	J
12.		UNKNOWN	16.83	270	J
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C0012

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-18

Sample wt/vol: 30.5 (g/mL) G Lab File ID: JM051

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 16 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.8 Extraction: (Type) SONC

Number TICs found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~UNKNOWN~~	~~5.36~~	~~270~~	~~JB~~
2.		UNKNOWN	6.15	440	J
3.		UNKNOWN	7.63	530	J
4.		UNKNOWN	9.02	160	J
5.		UNKNOWN	12.86	120	J
6.		UNKNOWN	13.08	780	J
7.	57-11-4	OCTADECANOIC ACID	13.78	1000	NJ
8.		UNKNOWN	13.96	530	J
9.		UNKNOWN	14.77	400	J
10.		UNKNOWN	15.07	160	J
11.		UNKNOWN	15.79	110	J
12.		UNKNOWN	16.24	150	J
13.		UNKNOWN	20.30	120	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-05

Sample wt/vol: 30.5 (g/mL) G Lab File ID: K9676

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 7 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9 Extraction: (Type) SONC

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.12	400	J
2.	123-95-5	OCTADECANOIC ACID, BUTYL EST	10.67	470	NJ
3.		UNKNOWN	11.16	130	J
~~4.~~		~~UNKNOWN~~	~~11.31~~	~~240~~	~~JB~~
5.					
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EPA SAMPLE NO.

C0015 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-11

Sample wt/vol: 30.4 (g/mL) G Lab File ID: K9684

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 13 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Extraction: (Type) SONC

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.10	260	J
2.		UNKNOWN	10.65	740	J
3.		~~UNKNOWN~~	~~11.27~~	~~340~~	~~JB~~
4.					
5.					
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EPA SAMPLE NO.

C0016 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-15

Sample wt/vol: 30.3 (g/mL) G Lab File ID: JM048

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 18 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Extraction: (Type) SONC

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~UNKNOWN~~	~~5.36~~	~~190~~	~~JB~~
2.		UNKNOWN	6.16	170	J
3.		UNKNOWN	7.62	220	J
4.		UNKNOWN	13.09	590	J
5.	123-95-5	OCTADECANOIC ACID, BUTYL EST	13.78	440	NJ
6.		UNKNOWN	13.96	450	J
7.		UNKNOWN	14.85	170	J
8.		UNKNOWN	15.32	160	J
9.		UNKNOWN	23.79	93	J
10.					
11.					
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EPA SAMPLE NO.

C0017 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-12

Sample wt/vol: 30.3 (g/mL) G Lab File ID: K9685

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 18 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5 Extraction: (Type) SONC

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.11	250	J
2.		UNKNOWN	10.65	830	J
3.		~~UNKNOWN~~	~~11.28~~	~~540~~	~~JB~~
4.					
5.					
6.					
7.					
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EPA SAMPLE NO.

C0018 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP. Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-16

Sample wt/vol: 30.2 (g/mL) G Lab File ID: JM049

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 13 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.8 Extraction: (Type) SONC

Number TICs found: 13 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~UNKNOWN~~	~~5.36~~	~~220~~	~~JB~~
2.		UNKNOWN	6.16	150	J
3.		UNKNOWN	7.62	170	J
~~4.~~		~~UNKNOWN~~	~~7.68~~	~~110~~	~~JB~~
5.		UNKNOWN	11.98	99	J
6.		UNKNOWN	12.85	190	J
7.		UNKNOWN	13.03	200	J
8.		UNKNOWN	13.08	340	J
9.		UNKNOWN	13.77	840	J
10.		UNKNOWN	13.98	690	J
11.		UNKNOWN	14.79	410	J
12.		UNKNOWN	15.10	260	J
13.		UNKNOWN	16.20	170	J
14.					
15.					
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EPA SAMPLE NO.

C0019 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-03

Sample wt/vol: 30.4 (g/mL) G Lab File ID: K9674

Level: (low/med) LOW Date Received: 08/04/04

% Moisture: 15 Decanted: (Y/N) N Date Extracted:08/06/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.9 Extraction: (Type) SONC

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.38	270	J
2.		UNKNOWN	10.14	410	J
3.		UNKNOWN	10.71	440	J
4.		UNKNOWN	11.21	150	J
~~5.~~		~~UNKNOWN~~	~~11.35~~	~~240~~	~~JB~~
6.		UNKNOWN	14.77	290	J
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Su 09/15/04

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EPA SAMPLE NO.

C002 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-19

Sample wt/vol: 30.4 (g/mL) G Lab File ID: JM039

Level: (low/med) LOW Date Received: 08/06/04

% Moisture: 31 Decanted: (Y/N) Y Date Extracted:08/09/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.8 Extraction: (Type) SONC

Number TICs found: 29 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~UNKNOWN~~	~~5.36~~	~~500~~	~~JB~~
2.		UNKNOWN	6.16	390	J
3.		UNKNOWN	7.63	500	J
4.		UNKNOWN	7.68	230	J
5.		UNKNOWN	9.02	160	J
6.	120-40-1	DODECANAMIDE, N,N-BIS(2-HYDR	11.37	110	NJ
7.	57-10-3	HEXADECANOIC ACID	12.27	310	NJ
8.		UNKNOWN	12.37	99	J
9.		UNKNOWN	13.53	110	J
10.	123-95-5	OCTADECANOIC ACID, BUTYL EST	13.79	1900	NJ
11.		UNKNOWN	13.87	120	J
12.		UNKNOWN	13.98	750	J
13.		UNKNOWN	14.20	320	J
14.		UNKNOWN	14.36	150	J
15.		UNKNOWN	14.79	320	J
16.		UNKNOWN	15.41	260	J
17.		UNKNOWN	15.74	120	J
18.		UNKNOWN	15.83	380	J
19.		UNKNOWN	15.95	140	J
20.		UNKNOWN	16.58	180	J
21.		UNKNOWN	16.98	210	J
22.		UNKNOWN	17.78	190	J
23.		UNKNOWN	18.16	130	J
24.		UNKNOWN	18.77	150	J
25.		UNKNOWN	19.45	290	J
26.		UNKNOWN	20.35	390	J
27.		UNKNOWN	21.02	200	J
28.		UNKNOWN	21.82	190	J
29.		UNKNOWN	23.07	520	J
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Su 08/15/04

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EPA SAMPLE NO.

C0024 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0001

Matrix: (soil/water) SOIL Lab Sample ID: 040773-20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JM040

Level: (low/med) LOW Date Received: 08/06/04

% Moisture: 18 Decanted: (Y/N) Y Date Extracted:08/09/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/12/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7 Extraction: (Type) SONC

Number TICs found: 29 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~UNKNOWN~~	~~5.36~~	~~270~~	~~JB~~
2.		UNKNOWN	6.16	380	J
3.		UNKNOWN	7.62	510	J
4.		UNKNOWN	7.68	140	J
5.		UNKNOWN	9.68	170	J
6.		UNKNOWN	9.75	150	J
7.	0-00-0	DECAHYDRO-4,4,8,9,10-PENTAME	9.95	310	NJ
8.		UNKNOWN	10.03	130	J
9.		UNKNOWN	10.51	170	J
10.		UNKNOWN	10.60	260	J
11.		UNKNOWN	11.55	350	J
12.		UNKNOWN	12.04	350	J
13.	57-10-3	HEXADECANOIC ACID	12.26	230	NJ
14.		UNKNOWN	12.36	600	J
15.		UNKNOWN	12.46	130	J
16.		UNKNOWN	12.76	1400	J
17.		UNKNOWN	13.08	600	J
18.	123-95-5	OCTADECANOIC ACID, BUTYL EST	13.76	880	NJ
19.		UNKNOWN	13.94	360	J
20.		UNKNOWN	14.76	140	J
21.		UNKNOWN	15.31	170	J
22.		UNKNOWN	15.45	230	J
23.		UNKNOWN	15.79	320	J
24.		UNKNOWN	16.55	130	J
25.		UNKNOWN	17.10	220	J
26.		UNKNOWN	17.71	170	J
27.		UNKNOWN	18.93	180	J
28.		UNKNOWN	21.49	170	J
29.		UNKNOWN	23.01	140	J
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SU 09/15/04

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EPA SAMPLE NO.

C002 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0021

Matrix: (soil/water) SOIL Lab Sample ID: 040790-04

Sample wt/vol: 30.1 (g/mL) G Lab File ID: K9764

Level: (low/med) LOW Date Received: 08/06/04

% Moisture: 23 Decanted: (Y/N) Y Date Extracted:08/09/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.2 Extraction: (Type) SONC

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.09	160	J
2.		UNKNOWN	10.64	230	J
3.		UNKNOWN	12.13	270	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ORIGINAL

C0022

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0021

Matrix: (soil/water) SOIL Lab Sample ID: 040790-05

Sample wt/vol: 30.5 (g/mL) G Lab File ID: K9765

Level: (low/med) LOW Date Received: 08/06/04

% Moisture: 24 Decanted: (Y/N) Y Date Extracted:08/09/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5 Extraction: (Type) SONC

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALCOHOL/ALKENE	10.09	380	J
2.		UNKNOWN ALCOHOL/ALKENE	10.64	510	J
3.					
4.					
5.					
6.					
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EPA SAMPLE NO.

ORIGINAL

C0025

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0021

Matrix: (soil/water) SOIL Lab Sample ID: 040790-01

Sample wt/vol: 30.4 (g/mL) G Lab File ID: K9761

Level: (low/med) LOW Date Received: 08/06/04

% Moisture: 41 Decanted: (Y/N) Y Date Extracted:08/09/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.6 Extraction: (Type) SONC

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.44	210	J
2.		UNKNOWN	10.69	320	J
3.		UNKNOWN	10.82	800	J
4.	6971-40-0	17-PENTATRIACONTENE	11.00	960	NJ
5.		UNKNOWN	11.10	290	J
6.		UNKNOWN	11.38	260	J
7.		UNKNOWN	11.54	250	J
8.		UNKNOWN	11.57	1000	J
9.		UNKNOWN	12.03	540	J
10.		UNKNOWN	13.91	830	J
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EPA SAMPLE NO.

ORIGINAL

C0026

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0021

Matrix: (soil/water) SOIL Lab Sample ID: 040790-06

Sample wt/vol: 30.5 (g/mL) G Lab File ID: K9766

Level: (low/med) LOW Date Received: 08/06/04

% Moisture: 23 Decanted: (Y/N) Y Date Extracted:08/09/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.3 Extraction: (Type) SONC

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.68	320	J
2.					
3.					
4.					
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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

C00 ORIGINAL

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0021

Matrix: (soil/water) SOIL Lab Sample ID: 040790-02

Sample wt/vol: 30.2 (g/mL) G Lab File ID: K9762

Level: (low/med) LOW Date Received: 08/06/04

% Moisture: 31 Decanted: (Y/N) Y Date Extracted:08/09/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5 Extraction: (Type) SONC

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.10	250	J
2.		UNKNOWN	10.66	440	J
3.		UNKNOWN	10.81	630	J
4.		UNKNOWN	11.54	460	J
5.		UNKNOWN	11.98	320	J
6.		UNKNOWN	13.02	2100	J
7.		UNKNOWN	13.88	1300	J
8.		UNKNOWN	15.08	1200	J
9.		UNKNOWN	16.28	1900	J
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EPA SAMPLE NO.

ORIGINAL

C0028

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0021

Matrix: (soil/water) SOIL Lab Sample ID: 040790-03

Sample wt/vol: 30.3 (g/mL) G Lab File ID: K9763

Level: (low/med) LOW Date Received: 08/06/04

% Moisture: 27 Decanted: (Y/N) Y Date Extracted:08/09/04

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Extraction: (Type) SONC

Number TICs found: 13 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.49	190	J
2.		UNKNOWN	8.46	230	J
3.		UNKNOWN	8.85	200	J
4.		UNKNOWN	9.93	150	J
5.		UNKNOWN	10.10	290	J
6.		UNKNOWN	10.58	240	J
7.		UNKNOWN	10.66	330	J
8.		UNKNOWN ALCOHOL/ALKENE	11.54	360	J
9.		UNKNOWN	11.99	450	J
10.		UNKNOWN ALDEHYDE	13.87	1400	J
11.		UNKNOWN	14.16	1200	J
12.		UNKNOWN	15.08	5400	J
13.		UNKNOWN	16.28	1600	J
14.					
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EPA SAMPLE NO.

C0041 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0032

Matrix: (soil/water) WATER Lab Sample ID: 040791-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K9772

Level: (low/med) LOW Date Received: 08/06/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:08/10/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/17/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 6 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	11.13	8	J
2.	UNKNOWN SILOXANE	11.52	10	J
3.	UNKNOWN SILOXANE	11.95	9	J
4.	UNKNOWN SILOXANE	12.44	14	J
5.	UNKNOWN SILOXANE	13.03	10	J
6.	UNKNOWN SILOXANE	13.73	6	J
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EPA SAMPLE NO.

C0036 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0038

Matrix: (soil/water) WATER Lab Sample ID: 040774-16

Sample wt/vol: 1000 (g/mL) ML Lab File ID: K9741

Level: (low/med) LOW Date Received: 08/06/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:08/10/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/16/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	13.03	9	J
2.					
3.					
4.					
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7.					
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EPA SAMPLE NO.

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ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0038

Matrix: (soil/water) WATER Lab Sample ID: 040774-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: JM061

Level: (low/med) LOW Date Received: 08/05/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:08/09/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	134-62-3	DIETHYLTOLUAMIDE	10.57	2	NJ
2.					
3.					
4.					
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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ORIGINAL
C00

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0038

Matrix: (soil/water) WATER Lab Sample ID: 040774-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: JM063

Level: (low/med) LOW Date Received: 08/05/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:08/09/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	143-07-7	DODECANOIC ACID	10.27	11	NJ
2.	0-00-0	6-HEXYLHEXAN-6-OLIDE	12.09	8	NJ
3.		UNKNOWN	13.85	3	J
4.		UNKNOWN	14.98	5	J
5.		UNKNOWN	16.45	6	J
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EPA SAMPLE NO.

C0046

ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0038

Matrix: (soil/water) WATER Lab Sample ID: 040774-09

Sample wt/vol: 1000 (g/mL) ML Lab File ID: JM060

Level: (low/med) LOW Date Received: 08/05/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:08/09/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	12.24	2	J
2.		UNKNOWN	12.85	6	J
3.		UNKNOWN	13.83	16	J
4.		UNKNOWN	14.94	23	J
5.		UNKNOWN	16.42	16	J
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EPA SAMPLE NO.

C004

ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0038

Matrix: (soil/water) WATER Lab Sample ID: 040774-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: JM058

Level: (low/med) LOW Date Received: 08/05/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:08/09/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	111-82-0	DODECANOIC ACID, METHYL ESTE	10.05	3	NJ
2.	143-07-7	DODECANOIC ACID	10.28	13	NJ
3.	28994-41-4	PHENOL, 2-(PHENYLMETHYL)-	11.20	3	NJ
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1G

EPA SAMPLE NO.

C0052 ORIGINAL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CEIMIC CORP Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 33178 SAS No.: SDG No.: C0038

Matrix: (soil/water) WATER Lab Sample ID: 040774-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: JM056

Level: (low/med) LOW Date Received: 08/05/04

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:08/09/04

Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/13/04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~UNKNOWN SILOXANE~~	~~13.83~~	~~2~~	~~J~~
~~2.~~	~~UNKNOWN SILOXANE~~	~~14.94~~	~~3~~	~~J~~
~~3.~~	~~UNKNOWN SILOXANE~~	~~16.41~~	~~4~~	~~J~~
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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15.				
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21.				
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23.				
24.				
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26.				
27.				
28.				
29.				
30.				

Su 09/22/04.

Appendix D

Chain-of-Custody Records

EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33178
DAS No:	R31935

R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD .
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/3/2004
Carrier Name:	FedEx
Airbill:	843517786259
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C0004	Soil (0"-12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	122 (Ice Only), 123 (Ice Only), 124 (Ice Only) (3)	S14	S: 8/3/2004	11:30	MC0004 PWS	-
C0014	Soil (>12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	162 (Ice Only), 163 (Ice Only), 164 (Ice Only) (3)	SS13	S: 8/3/2004	12:10	MC0014 PWS	-

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

BNA/Pests = CLP SVOCs + Pest, VOA S = CLP VOCs (SOLIDS)

TR Number: 3-592370820-080304-0006

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ORIGINAL

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33178
DAS No:	R31935

R

Region:	3
Project Code:	
Account Code:	03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/3/2004
Carrier Name:	FedEx
Airbill:	843517786259
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
C0001	Soil (0"-12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	100 (Ice Only), 111 (Ice Only), 112 (Ice Only) (3)	S11	S: 8/3/2004 12:30	MC0001 PWS	–
C0008	Soil (0"-12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	138 (Ice Only), 139 (Ice Only), 140 (Ice Only) (3)	S22	S: 8/3/2004 10:20	MC0008 PWS	–
C0019	Soil (>12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	183 (Ice Only), 184 (Ice Only), 185 (Ice Only) (3)	SS24	S: 8/3/2004 10:50	MC0019 PWS	–

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

BNA/Pests = CLP SVOCs + Pest, VOA S = CLP VOCs (SOLIDS)

TR Number: 3-592370820-080304-0008

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 33178
DAS No: R31935
R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/3/2004
Carrier Name:	FedEx
Airbill:	843517786259
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C0003	Soil (0"-12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	109 (Ice Only), 110 (Ice Only), 115 (Ice Only), 116 (Ice Only), 117 (Ice Only), 118 (Ice Only), 119 (Ice Only), 120 (Ice Only) (8)	S13	S: 8/3/2004	12:05	MC0003 PWS	Solid Spike
C0011	Soil (0"-12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	150 (Ice Only), 151 (Ice Only), 152 (Ice Only) (3)	S25	S: 8/3/2004	10:00	MC0011 PWS ~~MC0010~~	Duplicate of S21
C0015	Soil (>12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	166 (Ice Only), 167 (Ice Only), 168 (Ice Only) (3)	SS14	S: 8/3/2004	11:35	MC0015 PWS	–
C0017	Soil (>12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	175 (Ice Only), 176 (Ice Only), 177 (Ice Only) (3)	SS22	S: 8/3/2004	10:25	MC0017 PWS	–

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:** C0003	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: BNA/Pests = CLP SVOCs + Pest, VOA S = CLP VOCs (SOLIDS)	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TR Number: 3-592370820-080304-0012

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33178
DAS No:	R31935

R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/5/2004
Carrier Name:	FedEx
Airbill:	843517786226
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature:

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C0021	Sediment/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	191 (Ice Only), 192 (Ice Only), 193 (Ice Only) (3)	SED1	S: 8/5/2004	11:25	MC0021 pws	--
C0022	Sediment/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	195 (Ice Only), 196 (Ice Only), 197 (Ice Only) (3)	SED2	S: 8/5/2004	11:45	MC0022 pws	--
C0029	Surface Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	223 (Ice Only), 224 (Ice Only) (2)	SW1	S: 8/5/2004	11:20	MC0029	--
C0030	Surface Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	227 (Ice Only), 228 (Ice Only) (2)	SW2	S: 8/5/2004	11:40	MC0030	--

Shipment for Case Complete? N Y pws	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

BNA/Pests = CLP SVOCs + Pest, BNAs = CLP SVOCs, Pesticides = CLP Pest, VOA S = CLP VOCs (SOLIDS)

TR Number: 3-592370820-080504-0005

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ORIGINAL

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 33178
DAS No: R31935
R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/5/2004
Carrier Name:	FedEx
Airbill:	843517786226
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C0023	Sediment/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	199 (Ice Only), 200 (Ice Only), 201 (Ice Only) (3)	SED3	S: 8/5/2004	11:20	MC0023 PWS	--
C0024	Sediment/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	203 (Ice Only), 204 (Ice Only), 205 (Ice Only) (3)	SED4	S: 8/5/2004	10:25	MC0024 PWS	--
C0025	Sediment/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	207 (Ice Only), 208 (Ice Only), 209 (Ice Only) (3)	SED5	S: 8/5/2004	9:50	MC0025 PWS	--
C0031	Surface Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	232 (Ice Only), 233 (Ice Only) (2)	SW3	S: 8/5/2004	11:15	MC0031	--
C0033	Surface Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	240 (Ice Only), 241 (Ice Only) (2)	SW5	S: 8/5/2004	9:45	MC0033	--

Shipment for Case Complete? N Y PWS	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

BNA/Pests = CLP SVOCs + Pest, BNAs = CLP SVOCs, Pesticides = CLP Pest, VOA S = CLP VOCs (SOLIDS)

TR Number: 3-592370820-080504-0002

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33178
DAS No:	R31935

R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/5/2004
Carrier Name:	FedEx
Airbill:	843517786226
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C0034	Surface Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	244 (Ice Only), 245 (Ice Only) (2)	SW6	S: 8/5/2004	9:30	MC0034	--
C0037	Surface Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	256 (Ice Only), 257 (Ice Only) (2)	SW9	S: 8/5/2004	10:30	MC0037	--
C02B8	Surface Water/ [redacted]	L/G	VOA A (21)	2229 (HCL), 2230 (HCL) (2)	SW15	S: 8/5/2004	9:00		Trip Blank

Shipment for Case Complete? N Y pws	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

BNAs = CLP SVOCs, Pesticides = CLP Pest, VOA A = CLP VOCs (AQUEOUS)

ORIGINAL

TR Number: 3-592370820-080504-0003

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33178
DAS No:	R31935

R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/5/2004
Carrier Name:	FedEx
Airbill:	843517786226
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record		**Sampler Signature:**	
Relinquished By	**(Date / Time)**	**Received By**	**(Date / Time)**
1			
2			
3			
4			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C0027	Sediment/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	215 (Ice Only), 216 (Ice Only), 217 (Ice Only) (3)	SED7	S: 8/5/2004	8:50	MC0027 PWS	–
C0028	Sediment/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	219 (Ice Only), 220 (Ice Only), 221 (Ice Only) (3)	SED8	S: 8/5/2004	8:55	MC0028 PWS	Duplicate of SED7
C0035	Surface Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	248 (Ice Only), 249 (Ice Only) (2)	SW7	S: 8/5/2004	8:35	MC0035	–
C0036	Surface Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	252 (Ice Only), 253 (Ice Only) (2)	SW8	S: 8/5/2004	8:40	MC0036	Duplicate of SW7

Shipment for Case Complete? Y	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

BNA/Pests = CLP SVOCs + Pest, BNAs = CLP SVOCs, Pesticides = CLP Pest, VOA S = CLP VOCs (SOLIDS)

TR Number: 3-592370820-080504-0009

REGION COPY

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EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33178
DAS No:	R31935

R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/4/2004
Carrier Name:	FedEx
Airbill:	843517786237
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
C0039	Surface Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	262 (Ice Only), 263 (Ice Only) (2)	SW12	S: 8/4/2004 12:15	MC0039	Field Blank

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

BNAs = CLP SVOCs, Pesticides = CLP Pest

TR Number: 3-592370820-080404-0005

ORIGINAL

REGION COPY

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33178
DAS No:	R31935

R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/4/2004
Carrier Name:	FedEx
Airbill:	843517786237
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C0042	Ground Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	272 (Ice Only), 273 (Ice Only) (2)	MW1	S: 8/4/2004	10:30	MC0042	--
C0047	Ground Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	292 (Ice Only), 293 (Ice Only) (2)	MW4	S: 8/4/2004	10:45	MC0047	--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
BNAs = CLP SVOCs, Pesticides = CLP Pest			

TR Number: 3-592370820-080404-0003

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REGION COPY

ORIGINAL

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33178
DAS No:	R31935

R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/4/2004
Carrier Name:	FedEx
Airbill:	843517786237
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature:

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C0043	Ground Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	276 (Ice Only), 277 (Ice Only) (2)	MW1A	S: 8/4/2004	11:10	MC0043	--
C0044	Ground Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	280 (Ice Only), 281 (Ice Only) (2)	MW2	S: 8/4/2004	12:20	MC0044	--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

BNAs = CLP SVOCs, Pesticides = CLP Pest

ORIGINAL

TR Number: 3-592370820-080404-0004

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 33178
DAS No: R31935
R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/4/2004
Carrier Name:	FedEx
Airbill:	843517786237
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C0040	Surface Water/ [redacted]	L/G	VOA A (21)	266 (HCL), 267 (HCL) (2)	SW13	S: 8/4/2004	12:17		Trip Blank
C0045	Ground Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	284 (Ice Only), 285 (Ice Only) (2)	MW3	S: 8/4/2004	13:25	MC0045	--
C0046	Ground Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	288 (Ice Only), 289 (Ice Only) (2)	MW3A	S: 8/4/2004	14:00	MC0046	--

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

BNAs = CLP SVOCs, Pesticides = CLP Pest, VOA A = CLP VOCs (AQUEOUS)

TR Number: 3-592370820-080404-0001

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33178
DAS No:	R31935

R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/5/2004
Carrier Name:	FedEx
Airbill:	843517786226
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C0026	Sediment/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	211 (Ice Only), 212 (Ice Only), 213 (Ice Only) (3)	SED6	S: 8/5/2004	9:35	MC0026 FMS	--
C0032	Surface Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	236 (Ice Only), 237 (Ice Only) (2)	SW4	S: 8/5/2004	10:20	MC0032	--
C0041	Surface Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	268 (Ice Only), 269 (Ice Only) (2)	SW14	S: 8/5/2004	10:50	MC0041	Field Blank

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

BNA/Pests = CLP SVOCs + Pest, BNAs = CLP SVOCs, Pesticides = CLP Pest, VOA S = CLP VOCs (SOLIDS)

ORIGINAL

TR Number: 3-592370820-080504-0007

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EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33178
DAS No:	R31935

R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/3/2004
Carrier Name:	FedEx
Airbill:	843517786259
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature:

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
C0002	Soil (0"-12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	107 (Ice Only), 113 (Ice Only), 114 (Ice Only) (3)	S12	S: 8/3/2004 14:16	MC0002 PWS	–
C0006	Soil (0"-12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	130 (Ice Only), 131 (Ice Only), 132 (Ice Only) (3)	S16	S: 8/3/2004 14:06	MC0006 PWS	–
C0007	Soil (0"-12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	134 (Ice Only), 135 (Ice Only), 136 (Ice Only) (3)	S21	S: 8/3/2004 9:55	MC0007 PWS	–
C0049	Ground Water/ [redacted]	L/G	BNAs (21)	306 (Ice Only), 307 (Ice Only), 308 (Ice Only) (3)	PW5	S: 8/3/2004 11:40	MC0049	Spike

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: C0049	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced?

BNA/Pests = CLP SVOCs + Pest, BNAs = CLP SVOCs, VOA S = CLP VOCs (SOLIDS)

TR Number: 3-592370820-080304-0002

ORIGINAL

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33178
DAS No:	R31935

R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/3/2004
Carrier Name:	FedEx
Airbill:	843517786259
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record		Sampler Signature:	
Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
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4			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C0005	Soil (0"-12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	126 (Ice Only), 127 (Ice Only), 128 (Ice Only) (3)	S15	S: 8/3/2004	12:35	MC0005 PW5	Duplicate of S11
C0012	Soil (>12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	154 (Ice Only), 155 (Ice Only), 156 (Ice Only) (3)	SS11	S: 8/3/2004	12:40	MC0012 PW5	–
C0049	Ground Water/ [redacted]	L/G	Pesticides (21)	302 (Ice Only), 303 (Ice Only), 304 (Ice Only) (3)	PW5	S: 8/3/2004	11:40	MC0049	Spike

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
	C0049		
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

BNA/Pests = CLP SVOCs + Pest, Pesticides = CLP Pest, VOA S = CLP VOCs (SOLIDS)

TR Number: 3-592370820-080304-0004

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33178
DAS No:	R31935

R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/4/2004
Carrier Name:	FedEx
Airbill:	843517786237
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
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3			
4			

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C0051	Ground Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	317 (Ice Only), 318 (Ice Only) (2)	GW2	S: 8/4/2004	9:00	MC0051	--
C0052	Ground Water/ [redacted]	L/G	BNAs (21), Pesticides (21)	321 (Ice Only), 322 (Ice Only) (2)	GW3	S: 8/4/2004	13:25	MC0052	Duplicate of MW3

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
BNAs = CLP SVOCs, Pesticides = CLP Pest			

TR Number: 3-592370820-080404-0002

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	33178
DAS No:	R31935

R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/3/2004
Carrier Name:	FedEx
Airbill:	843517786259
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Sampler Signature:

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
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4			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
C0009	Soil (0"-12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	142 (Ice Only), 143 (Ice Only), 144 (Ice Only) (3)	S23	S: 8/3/2004 11:05	MC0009 PWS	–
C0010	Soil (0"-12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	146 (Ice Only), 147 (Ice Only), 148 (Ice Only) (3)	S24	S: 8/3/2004 10:45	MC0010 PWS	–
C0016	Soil (>12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	171 (Ice Only), 172 (Ice Only), 173 (Ice Only) (3)	SS21	S: 8/3/2004 10:05	MC0016 PWS	–
C0018	Soil (>12")/ [redacted]	L/G	BNA/Pests (21), VOA S (21)	179 (Ice Only), 180 (Ice Only), 181 (Ice Only) (3)	SS23	S: 8/3/2004 11:10	MC0018 PWS	–
C0038	Surface Water/ [redacted]	L/G	VOA A (21)	260 (HCL), 261 (HCL) (2)	SW11	S: 8/3/2004 14:11		Trip Blank

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced?

BNA/Pests = CLP SVOCs + Pest, VOA A = CLP VOCs (AQUEQUS), VOA S = CLP VOCs (SOLIDS)

ORIGINAL

TR Number: 3-592370820-080304-0010

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 33178 R
Client No: R31935

Region:	3	**Date Shipped:**	8/3/2004	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:	T03W302DD2CE319LA00	**Airbill:**	843517786259	1	
CERCLIS ID:	MDSFN0305563	**Shipped to:**	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	2	
Spill ID:	E319			3	
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD			4	
Project Leader:	[redacted]				
Action:	Expanded Site Investigation/RI				
Sampling Co:	MDE-ERRP				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
S11 C0001	Soil (0"-12")/ [redacted]	L/G	Moisture (21)	2202 (Ice Only) (1)	S11	S: 8/3/2004	12:30	–
S22 C0008	Soil (0"-12")/ [redacted]	L/G	Moisture (21)	2209 (Ice Only) (1)	S22	S: 8/3/2004	10:20	–
SS24 C0019	Soil (>12")/ [redacted]	L/G	Moisture (21)	2228 (Ice Only) (1)	SS24	S: 8/3/2004	10:50	–

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: Moisture = Moisture analysis	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

ORIGINAL

TR Number: 3-592370820-080304-0007

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 33178 R
Client No: R31935

Region:	3	**Date Shipped:**	8/3/2004	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:	T03W302DD2CE319LA00	**Airbill:**	843517786259	1	
CERCLIS ID:	MDSFN0305563	**Shipped to:**	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	2	
Spill ID:	E319			3	
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD			4	
Project Leader:	[redacted]				
Action:	Expanded Site Investigation/RI				
Sampling Co:	MDE-ERRP				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
S23 C0009	Soil (0"-12")/ [redacted]	L/G	Moisture (21)	2210 (Ice Only) (1)	S23	S: 8/3/2004	11:05	–
S24 C0010	Soil (0"-12")/ [redacted]	L/G	Moisture (21)	2211 (Ice Only) (1)	S24	S: 8/3/2004	10:45	–
SS21 C0016	Soil (>12")/ [redacted]	L/G	Moisture (21)	2225 (Ice Only) (1)	SS21	S: 8/3/2004	10:05	–
SS23 C0018	Soil (>12")/ [redacted]	L/G	Moisture (21)	2227 (Ice Only) (1)	SS23	S: 8/3/2004	11:10	–

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?**
Moisture = Moisture analysis			

ORIGINAL

TR Number: 3-592370820-080304-0009

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EPA USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 33178 R
Client No: R31935

Region:	3	**Date Shipped:**	8/3/2004	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:	T03W302DD2CE319LA00	**Airbill:**	843517786259	1	
CERCLIS ID:	MDSFN0305563	**Shipped to:**	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	2	
Spill ID:	E319			3	
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD			4	
Project Leader:	[redacted]				
Action:	Expanded Site Investigation/RI				
Sampling Co:	MDE-ERRP				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
S12 C0002	Soil (0"-12")/ [redacted]	L/G	Moisture (21)	2203 (Ice Only) (1)	S12	S: 8/3/2004 14:16	–
S16 C0006	Soil (0"-12")/ [redacted]	L/G	Moisture (21)	2207 (Ice Only) (1)	S16	S: 8/3/2004 14:06	–
S21 C0007	Soil (0"-12")/ [redacted]	L/G	Moisture (21)	2208 (Ice Only) (1)	S21	S: 8/3/2004 9:55	–

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: Moisture = Moisture analysis	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

ORIGINAL

TR Number: 3-592370820-080304-0001

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EPA USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 33178 R
Client No: R31935

Region:	3	**Date Shipped:**	8/3/2004	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:	T03W302DD2CE319LA00	**Airbill:**	843517786259	1	
CERCLIS ID:	MDSFN0305563	**Shipped to:**	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	2	
Spill ID:	E319			3	
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD			4	
Project Leader:	[redacted]				
Action:	Expanded Site Investigation/RI				
Sampling Co:	MDE-ERRP				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
S13 C0003	Soil (0"-12")/ [redacted]	L/G	Moisture (21)	2204 (Ice Only) (1)	S13	S: 8/3/2004	12:05	Solid Spike
S25 C0011	Soil (0"-12")/ [redacted]	L/G	Moisture (21)	2212 (Ice Only) (1)	S25	S: 8/3/2004	10:00	Duplicate of S21
SS14 C0015	Soil (>12")/ [redacted]	L/G	Moisture (21)	2224 (Ice Only) (1)	SS14	S: 8/3/2004	11:35	–
SS22 C0017	Soil (>12")/ [redacted]	L/G	Moisture (21)	2226 (Ice Only) (1)	SS22	S: 8/3/2004	10:25	–

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____
Moisture = Moisture analysis			

TR Number: 3-592370820-080304-0011

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EPA USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 33178 **R**
Client No: R31935

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/3/2004
Carrier Name:	FedEx
Airbill:	843517786259
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
S15 C0005	Soil (0"-12")/ [redacted]	L/G	Moisture (21)	2206 (Ice Only) (1)	S15	S: 8/3/2004	12:35	Duplicate of S11
SS11 C0012	Soil (>12")/ [redacted]	L/G	Moisture (21)	2221 (Ice Only) (1)	SS11	S: 8/3/2004	12:40	–

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: *Moisture = Moisture analysis*	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TR Number: 3-592370820-080304-0003

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PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 33178 R
Client No: R31935

Region:	3	**Date Shipped:**	8/3/2004	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:	T03W302DD2CE319LA00	**Airbill:**	843517786259	1	
CERCLIS ID:	MDSFN0305563	**Shipped to:**	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	2	
Spill ID:	E319			3	
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD			4	
Project Leader:	[redacted]				
Action:	Expanded Site Investigation/RI				
Sampling Co:	MDE-ERRP				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
S14 C0004	Soil (0"-12")/ [redacted]	L/G	Moisture (21)	2205 (Ice Only) (1)	S14	S: 8/3/2004	11:30	–
SS13 C0014	Soil (>12")/ [redacted]	L/G	Moisture (21)	2223 (Ice Only) (1)	SS13	S: 8/3/2004	12:10	–

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: Moisture = Moisture analysis	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TR Number: 3-592370820-080304-0005

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 33178 R
Client No: R31935

Region:	3	**Date Shipped:**	8/5/2004	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:	T03W302DD2CE319LA00	**Airbill:**	843517786226	1	
CERCLIS ID:	MDSFN0305563	**Shipped to:**	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	2	
Spill ID:	E319			3	
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD			4	
Project Leader:	[redacted]				
Action:	Expanded Site Investigation/RI				
Sampling Co:	MDE-ERRP				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
SED3 C0023	Sediment/ [redacted]	L/G	Moisture (21)	2215 (Ice Only) (1)	SED3	S: 8/5/2004	11:20	--
SED4 C0024	Sediment/ [redacted]	L/G	Moisture (21)	2216 (Ice Only) (1)	SED4	S: 8/5/2004	10:25	--
SED5 C0025	Sediment/ [redacted]	L/G	Moisture (21)	2217 (Ice Only) (1)	SED5	S: 8/5/2004	9:50	--

[redacted] JTS, ESAT 8.31-04

Shipment for Case Complete? N Y pws	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: Moisture = Moisture analysis	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TR Number: 3-592370820-080504-0001

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 33178 **R**
Client No: R31935

Region:	3	**Date Shipped:**	8/5/2004	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:	T03W302DD2CE319LA00	**Airbill:**	843517786226	1	
CERCLIS ID:	MDSFN0305563	**Shipped to:**	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	2	
Spill ID:	E319			3	
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD			4	
Project Leader:	[redacted]				
Action:	Expanded Site Investigation/RI				
Sampling Co:	MDE-ERRP				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
SED7	Sediment/ [redacted]	L/G	Moisture (21)	2219 (Ice Only) (1)	SED7	S: 8/5/2004	8:50	–
SED8	Sediment/ [redacted]	L/G	Moisture (21)	2220 (Ice Only) (1)	SED8	S: 8/5/2004	8:55	Duplicate of SED7

Shipment for Case Complete? Y	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____
Moisture = Moisture analysis			

TR Number: 3-592370820-080504-0008

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PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4

ORIGINAL

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 33178 R
Client No: R31935

Region:	3	**Date Shipped:**	8/5/2004	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:	T03W302DD2CE319LA00	**Airbill:**	843517786226	1	
CERCLIS ID:	MDSFN0305563	**Shipped to:**	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900	2	
Spill ID:	E319			3	
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD			4	
Project Leader:	[redacted]				
Action:	Expanded Site Investigation/RI				
Sampling Co:	MDE-ERRP				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
SED1	Sediment/ [redacted]	L/G	Moisture (21)	2213 (Ice Only) (1)	SED1	S: 8/5/2004 11:25	--
SED2	Sediment/ [redacted]	L/G	Moisture (21)	2214 (Ice Only) (1)	SED2	S: 8/5/2004 11:45	--

Shipment for Case Complete? N Y pws	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: Moisture = Moisture analysis	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?**

TR Number: 3-592370820-080504-0004

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PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 33178
Client No: R31935

R

Region:	3
Project Code:	
Account Code:	T03W302DD2CE319LA00
CERCLIS ID:	MDSFN0305563
Spill ID:	E319
Site Name/State:	Route 7 Dump/New Jersey Fireworks/MD
Project Leader:	[redacted]
Action:	Expanded Site Investigation/RI
Sampling Co:	MDE-ERRP

Date Shipped:	8/5/2004
Carrier Name:	FedEx
Airbill:	843517786226
Shipped to:	Ceimic Corporation 10 Dean Knauss Drive Narragansett RI 02882 (401) 782-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1			
2			
3			
4			

Sampler Signature:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
SED6	Sediment/ [redacted]	L/G	Moisture (21)	2218 (Ice Only) (1)	SED6	S: 8/5/2004 9:35	–

Shipment for Case Complete? Y	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: Moisture = Moisture analysis	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TR Number: 3-592370820-080504-0006

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PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4

F2V5.1.043 Page 1 of 1

ORIGINAL

U.S EPA Region III Analytical Request Form

RAS CASE #: CT3062 33178	DAS #:	NSF #:	
Date: 6/16/04	QAPP/SAP: 06/04	Data Validation Level: IM2, M3	
Site: ~~RT.7 NJ FIREWORKS~~ New Jersey Fireworks			
Address: RT.7 OLD PHILADELPHIA RD	City: ELKTON	State: MD	
Latitude: 39 36 15	Longitude: 75 52 50		
Program: CERCLA	CERCLIS#: MDSFN0305563	Activity: ESI	
Account #: 2004T03N302DD2CE319LA00	Operable Unit: 00	Spill ID: E319	
Preparer: PHILL ANDERSON	Phone: 410 537-3440	Fax: 410 537-3472	E-mail: panderson@mde.state.md.us
OSC/RPM: LORIE BAKER	Phone: 215 814-3355	Fax:	E-mail: baker.lorie@epamail.gov
Site Leader: PHILL ANDERSON	Phone: 410 537-3440	Fax: 410 5337-3472	E-mail: panderson@mde.state.md.us
EPA CO: LORIE BAKER	Contract Type:	Prime: MDE	Sub:
Analytical TAT: 21 days		Analytical + Validation TAT: 42 days	
Ship Date From: Aug 3, 2004		Ship Date To: Aug 5, 2004	

Samples	Method	Parameter	Matrix
27	OLM04.3	TCL VOCS Ceimic	SOIL/SEDIMENT 22392
27	OLM04.3	TCL SVOCS & TCL PESTICIDES Ceimic	SOIL/SEDIMENT
27	ILM05.3 ICP-AES	TAL METALS & CYANIDE BONNER	SOIL/SEDIMENT 22396
3	OLM04.3	TCL VOCS Ceimic	WATER 22392
23	OLM04.3	TCL SVOCS & PESTICIDES Ceimic	WATER 22393, 22394
~~44~~ 21	ILM05.3 ICP-AES	~~TAL METALS~~ TAL Metals BONNER	WATER 22397
23	ILM05.3 ICP-AES	CYANIDE + Metals + Hg BONNER	WATER 22398
		Cyanide to Bonner + Hg	

Instruction: Please note; after final approval of the SAP, it was determined that an additional trip blank may be necessary. Therefore, this RAS request reflects (3) trips blanks compared to (2) that is outlined in the SAP.

Added + entered: 8/26/04 DH

ORIGINAL

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Appendix E

Laboratory Case Narrative

ORIGINAL

SDG Narrative

The enclosed data package is in response to USEPA, Region III, Case No. 33178, and SDG No. C0001, Contract No. 68-W-03-018. Under this SDG there are 22 VOA, 22 SVOA and 22 PEST/PCB samples received at Ceimic Corporation on August 4 and 6, 2003.

EPA ID:	CEIMIC ID:	Analysis
C0001	040773-01	VOA, SVOA, PEST/PCB
C0008	040773-02	VOA, SVOA, PEST/PCB
C0019	040773-03	VOA, SVOA, PEST/PCB
C0004	040773-04	VOA, SVOA, PEST/PCB
C0014	040773-05	VOA, SVOA, PEST/PCB
C0002	040773-06	VOA, SVOA, PEST/PCB
C0006	040773-07	VOA, SVOA, PEST/PCB
C0007	040773-08	VOA, SVOA, PEST/PCB
C0003	040773-09	VOA, SVOA, PEST/PCB
C0003MS	040773-09MS	VOA, SVOA, PEST/PCB
C0003MSD	040773-09MSD	VOA, SVOA, PEST/PCB
C0011	040773-10	VOA, SVOA, PEST/PCB
C0015	040773-11	VOA, SVOA, PEST/PCB
C0017	040773-12	VOA, SVOA, PEST/PCB
C0009	040773-13	VOA, SVOA, PEST/PCB
C0010	040773-14	VOA, SVOA, PEST/PCB
C0016	040773-15	VOA, SVOA, PEST/PCB
C0018	040773-16	VOA, SVOA, PEST/PCB
C0005	040773-17	VOA, SVOA, PEST/PCB
C0012	040773-18	VOA, SVOA, PEST/PCB
C0023	040773-19	VOA, SVOA, PEST/PCB
C0024	040773-20	VOA, SVOA, PEST/PCB

(1) Sample Receipt

Cooler Temperatures upon receipt were 2°C, 3°C, 4°C and 5°C.

(2) Instrumentation and Column Identification

The following instruments were used for the analyses:

GC/ECD Analysis

A. VOA

MS15 HP5972 GC/MS, 30m, 0.25mm ID, 1.4 um, DB-624 capillary column.
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

B. SVOA

MS10 HP5890SeriesII GC, HP5970BMS,30 m,25 mm ID, ZB-5 fused silica capillary column

MS11 HP6890 GC, HP5973MS,30 m,25 mm ID, ZB-5 fused silica capillary column

C. PEST/PCB

AD6: HP5890II (GC8) using 30m x 0.53mm ID, DB5 megabore column

AD7: HP5890II (GC8) using 30m x 0.53mm ID, DB35 megabore column

(3) Sample Information

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letter "M" for GC/MS and for GC is used on the raw data of the quantitation report whenever a manual integration is performed. Manual integrations are performed on GC/MS and GC standards and samples when computer generated integration picks up only a portion of the chromatographic peak, due to software limitations. When manual integrations are required, these integrations are performed using sound defensible professional judgment, in order to report accurate data. Each manual integration is signed and dated, and reviewed by both the lab supervisor and the GC/MS Interpretation Specialist for GC/MS or the Organic Lab Manager for Pest/PCB.

A. VOA Fraction (Method CLP SOW OLM04.3)

The %moistures of the soil samples were:

Client ID:	Ceimic ID:	%M:
C0001	040773-01	18
C0002	040773-06	16
C0003	040773-09	10
C0004	040773-04	41
C0005	040773-17	27
C0006	040773-07	29
C0007	040773-08	23
C0008	040773-02	22
C0009	040773-13	33
C0010	040773-14	19
C0011	040773-10	25
C0012	040773-18	14
C0014	040773-05	14
C0015	040773-11	15
C0016	040773-15	16

C0017	040773-12	12
C0018	040773-16	11
C0019	040773-03	17
C0023	040773-19	34
C0024	040773-20	21

The recoveries of the spike compounds trichloroethene and chlorobenzene were flagged as outliers in the matrix spike duplicate. The majority of the Relative Percent Differences (RPDs) failed quality control criteria in the comparison of the duplicate matrix spikes. In accordance with the Statement of Work (SOW), we have reported the data without further analysis.

B. SVOA Fraction (Method CLP SOW OLM04.3)

The pH and %moisture of the soil samples were:

Client ID:	Ceimic ID:	pH	%M
C0001	040773-01	4.2	22
C0002	040773-06	8.6	25
C0003	040773-09	8.6	8
C0004	040773-04	7.0	22
C0005	040773-17	4.8	13
C0006	040773-07	6.3	21
C0007	040773-08	7.9	27
C0008	040773-02	7.2	18
C0009	040773-13	4.6	9
C0010	040773-14	5.2	14
C0011	040773-10	8.0	27
C0012	040773-18	4.8	16
C0014	040773-05	8.9	7
C0015	040773-11	6.9	13
C0016	040773-15	7.1	18
C0017	040773-12	5.5	18
C0018	040773-16	4.8	13
C0019	040773-03	4.9	15
C0023	040773-19	4.8	31
C0024	040773-20	5.7	18

Due to the results of a screen, the following sample was analyzed at a dilution:

Client ID:	Ceimic ID:	Dilution:
C0003	040773-09	3:1

Manual quantitations were performed on one or more of the process files associated with this SDG, including samples C0003, C0008, and C0023. The

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SDG Narrative

The enclosed data package is in response to USEPA, Region III, Case No. 33178, and SDG No. C0021, Contract No. 68-W-03-018. Under this SDG there are 8 VOA, 8 SVOA and 8 PEST/PCB samples received at Ceimic Corporation on August 6, 2004.

EPA ID:	CEIMIC ID:	Analysis
C0025	040790-01	VOA, SVOA, PEST/PCB
C0027	040790-02	VOA, SVOA, PEST/PCB
C0028	040790-03	VOA, SVOA, PEST/PCB
C0021	040790-04	VOA, SVOA, PEST/PCB
C0022	040790-05	VOA, SVOA, PEST/PCB
C0026	040790-06	VOA, SVOA, PEST/PCB
C0026MS	040790-06MS	VOA, SVOA, PEST/PCB
C0026MSD	040790-06MSD	VOA, SVOA, PEST/PCB

(1) Sample Receipt

Cooler Temperatures upon receipt were 3°C, 4°C and 6°C.

(2) Instrumentation and Column Identification

The following instruments were used for the analyses:

GC/ECD Analysis

A. VOA

MS15 HP5972 GC/MS, 30m, 0.25mm ID, 1.4 um, DB-624 capillary column. OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

B. SVOA

MS11 HP6890 GC, HP5973MS,30 m,25 mm ID, ZB-5 fused silica capillary column

C. PEST/PCB

AD8: HP5890II (GC7) using 30m x 0.53mm ID, DB5 megabore column
AD9: HP5890II (GC7) using 30m x 0.53mm ID, DB1701 megabore column

(3) Sample Information

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letter "M" for GC/MS and for GC is used on the raw data of the quantitation report whenever a manual integration is performed. Manual integrations are performed on

GC/MS and GC standards and samples when computer generated integration picks up only a portion of the chromatographic peak, due to software limitations. When manual integrations are required, these integrations are performed using sound defensible professional judgment, in order to report accurate data. Each manual integration is signed and dated, and reviewed by both the lab supervisor and the GC/MS Interpretation Specialist for GC/MS or the Organic Lab Manager for Pest/PCB.

A. VOA Fraction (Method CLP SOW OLM04.3)

The %moistures of the soil samples were:

Client ID:	Ceimic ID:	%M:
C0021	040790-04	28
C0022	040790-05	22
C0025	040790-01	38
C0026	040790-06	22
C0027	040790-02	21
C0028	040790-03	42

No sample was designated for QC. The Region was contacted and agreed with Ceimic's request to use sample C0026 for QC.

The recovery of the spike compound 1,1-dichloroethene was flagged as an outlier in the matrix spike.

B. SVOA Fraction (Method CLP SOW OLM04.3)

The pH and %moisture of the soil samples were:

Client ID:	Ceimic ID:	pH	%M
C0021	040790-04	5.5	23
C0022	040790-05	5.3	24
C0025	040790-01	5.6	41
C0026	040790-06	5.3	23
C0027	040790-02	5.5	31
C0028	040790-03	6.0	27

Manual quantitations were performed on one or more of the process files associated with this SDG, including samples C0025 and C0026. The recoveries of the spike compounds 4-nitrophenol and pentachlorophenol were flagged as outliers in the matrix spike duplicates. The Relative Percent Difference (RPD) of acenaphthene was flagged as an outlier in the comparison of the duplicate matrix spikes.

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C. PEST/PCB Fraction (Method CLP SOW OLM04.3)

No non-compliances noted.

Deviations from the SOW

None other than specified above.

End of SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Laboratory Manager

08/26/04

Date

ALKANE NARRATIVE REPORT
Report date : 08/25/2004
SDG: C0021

ORIGINAL

Client Sample ID: C0025 Lab Sample ID: 040790-01 File ID: K9761

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	12.21	3900	J
Unknown Straight Chain Alkane	13.06	3500	J

Client Sample ID: C0027 Lab Sample ID: 040790-02 File ID: K9762

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	11.50	320	J
Unknown Straight Chain Alkane	12.17	1800	J

Client Sample ID: C0028 Lab Sample ID: 040790-03 File ID: K9763

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	8.01	230	J
Unknown Branched Alkane	9.54	160	J
Unknown Branched Alkane	9.84	210	J
Unknown Branched Alkane	10.41	230	J
Unknown Straight Chain Alkane	11.50	350	J
Unknown Straight Chain Alkane	12.17	3900	J
Unknown Straight Chain Alkane	13.02	3100	J

ORIGINAL

SDG Narrative

The enclosed data package is in response to USEPA, Region III, Case No. 33178, and SDG No. C0032, Contract No. 68-W-03-018. Under this SDG there are 3 VOA, 4 SVOA and 4 PEST/PCB samples received at Ceimic Corporation on August 6, 2004.

EPA ID:	CEIMIC ID:	Analysis
C02B8	040791-01	VOA
C02B8MS	040791-01MS	VOA
C02B8MSD	040791-01MSD	VOA
C0032	040791-02	SVOA, PEST/PCB
C0032MS	040791-02MS	SVOA, PEST/PCB
C0032MSD	040791-02MSD	SVOA, PEST/PCB
C0041	040791-03	SVOA, PEST/PCB

(1) Sample Receipt

Cooler Temperatures upon receipt were 4°C and 6°C.

(2) Instrumentation and Column Identification

The following instruments were used for the analyses:

GC/ECD Analysis

A. VOA

MS4 HP5972 GC/MS, 30m, 0.25mm ID, 1.4 um, DB-624 capillary column. OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

B. SVOA

MS11 HP6890 GC, HP5973MS,30 m,25 mm ID, ZB-5 fused silica capillary column

C. PEST/PCB

AD8: HP5890II (GC7) using 30m x 0.53mm ID, DB5 megabore column

AD9: HP5890II (GC7) using 30m x 0.53mm ID, DB1701 megabore column

(3) Sample Information

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letter "M" for GC/MS and for GC is used on the raw data of the quantitation report whenever a manual integration is performed. Manual integrations are performed on

GC/MS and GC standards and samples when computer generated integration picks up only a portion of the chromatographic peak, due to software limitations. When manual integrations are required, these integrations are performed using sound defensible professional judgment, in order to report accurate data. Each manual integration is signed and dated, and reviewed by both the lab supervisor and the GC/MS Interpretation Specialist for GC/MS or the Organic Lab Manager for Pest/PCB.

A. VOA Fraction (Method CLP SOW OLM04.3)

The pH of the water sample was:

Client ID:	Ceimic ID:	pH:
C02B8	040791-01	1

No sample was designated for QC. The Region was contacted and agreed with Ceimic's request to use sample C02B8 for VOA QC.

B. SVOA Fraction (Method CLP SOW OLM04.3)

Aqueous Sample Reference Table:

Client ID	Ceimic ID
C0032	040791-02
C0041	040791-03

No sample was designated for QC. The Region was contacted and agreed with Ceimic's request to use sample C0032 for BNA/PEST QC.
500 mL of raw sample were used to extract the matrix spike duplicates, rather than the method-specified amount of 1000 mL. Low sample volume was received for the original sample. The recovery of the spike compound 4-nitrophenol was flagged as an outlier in the matrix spike and matrix spike duplicate.

C. PEST/PCB Fraction (Method CLP SOW OLM04.3)

No non-compliances noted.

Deviations from the SOW

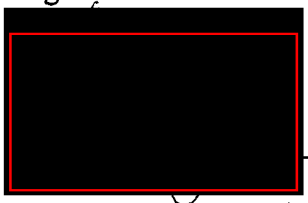
None other than specified above.

End of SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette

ORIGINAL

has been authorized by the laboratory manager or his/her designee, as verified by the following signature.



Laboratory Manager

08/26/04

Date

ORIGINAL

SDG Narrative

The enclosed data package is in response to USEPA, Region III, Case No.33178, and SDG No. C0038, Contract No. 68-W-03-018. Under this SDG there are 4 VOA, 20 SVOA and 20 PEST/PCB samples received at Ceimic Corporation on August 4, 5 and 6, 2004.

EPA ID:	CEIMIC ID:	Analysis
C0049	040774-01	SVOA, PEST/PCB
C0049MS	040774-01MS	SVOA, PEST/PCB
C0049MSD	040774-01MSD	SVOA, PEST/PCB
C0038	040774-02	VOA
C0038MS	040774-02MS	VOA
C0038MSD	040774-02MSD	VOA
C0051	040774-03	SVOA, PEST/PCB
C0052	040774-04	SVOA, PEST/PCB
C0042	040774-05	SVOA, PEST/PCB
C0047	040774-06	SVOA, PEST/PCB
C0040	040774-07	VOA
C0045	040774-08	SVOA, PEST/PCB
C0046	040774-09	SVOA, PEST/PCB
C0039	040774-10	SVOA, PEST/PCB
C0043	040774-11	SVOA, PEST/PCB
C0044	040774-12	SVOA, PEST/PCB
C0031	040774-13	SVOA, PEST/PCB
C0033	040774-14	SVOA, PEST/PCB
C0035	040774-15	SVOA, PEST/PCB
C0036	040774-16	SVOA, PEST/PCB
C0029	040774-17	SVOA, PEST/PCB
C0030	040774-18	SVOA, PEST/PCB
C0034	040774-19	SVOA, PEST/PCB
C0037	040774-20	SVOA, PEST/PCB

(1) Sample Receipt

Cooler Temperatures upon receipt were 3°C, 4°C and 5°C.

(2) Instrumentation and Column Identification

The following instruments were used for the analyses:

GC/ECD Analysis

A. VOA

MS4 HP5972 GC/MS, 30m, 0.25mm ID, 1.4 um, DB-624 capillary column.

OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)
MS16 HP5972 GC/MS, 30m, 0.25mm ID, 1.4 um, DB-624 capillary column.
OI trap #10 (8cm Tenax, 8cm silica gel, 8cm carbon molecular sieve)

B. SVOA

MS10 HP5890SeriesII GC, HP5970BMS,30 m,0.25 mm ID, ZB-5 fused silica capillary column
MS11 HP6890 GC, HP5973MS,30 m,0.25 mm ID, ZB-5 fused silica capillary column

C. PEST/PCB

AD8: HP5890II (GC7) using 30m x 0.53mm ID, DB5 megabore column
AD9: HP5890II (GC7) using 30m x 0.53mm ID, DB1701 megabore column

(3) Sample Information

An "x" qualifier is flagged by Target Thru-put software whenever the data is manually edited. The letter "M" for GC/MS and for GC is used on the raw data of the quantitation report whenever a manual integration is performed. Manual integrations are performed on GC/MS and GC standards and samples when computer generated integration picks up only a portion of the chromatographic peak, due to software limitations. When manual integrations are required, these integrations are performed using sound defensible professional judgment, in order to report accurate data. Each manual integration is signed and dated, and reviewed by both the lab supervisor and the GC/MS Interpretation Specialist for GC/MS or the Organic Lab Manager for Pest/PCB.

A. VOA Fraction (Method CLP SOW OLM04.3)

The pHs of the water samples were:

Client ID:	Ceimic ID:	pH:
C0038	040774-02	1
C0040	040774-07	1

No sample was designated for QC. The Region was contacted and agreed with Ceimic's request to use sample C0038 for VOA QC.

B. SVOA Fraction (Method CLP SOW OLM04.3)

Aqueous Sample Reference Table:

Client ID	Ceimic ID
C0029	040774-17
C0030	040774-18

C0031	040774-13
C0033	040774-14
C0034	040774-19
C0035	040774-15
C0036	040774-16
C0037	040774-20
C0039	040774-10
C0042	040774-05
C0043	040774-11
C0044	040774-12
C0045	040774-08
C0046	040774-09
C0047	040774-06
C0049	040774-01
C0051	040774-03
C0052	040774-04

No sample was designated for QC. The Region was contacted and agreed with Ceimic's request to use sample C0049 for BNA/PEST QC.

Manual quantitations were performed on one or more of the process files associated with this SDG, including sample C0052. One base surrogate failed quality control criteria in C0033, C0034, C0035, C0036, C0037, C0042, C0044, C0046, and C0047. The recovery of the spike compound 4-nitrophenol was flagged as an outlier in the matrix spike. The recoveries of the spike compounds N-nitroso-di-n-propylamine and 4-nitrophenol were flagged as outliers in the matrix spike duplicate. The Relative Percent Difference (RPD) of N-nitroso-di-n-propylamine was flagged as an outlier in the comparison of the duplicate matrix spikes.

C. PEST/PCB Fraction (Method CLP SOW OLM04.3)

All samples were extracted and analyzed within their respective holding times.

The following recoveries were outside the QC limits in C0049MS/MSD:

Analyte	**% MS**	**% MSD**	**%RPD**
4,4'-DDT			32

No other non-compliances were noted.

Deviations from the SOW

None other than specified above.

End of SDG Narrative

ORIGINAL

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Laboratory Manager

08/26/04

Date

ALKANE NARRATIVE REPORT
Report date : 08/24/2004
SDG: C0038

ORIGINAL

Client Sample ID: C0036 Lab Sample ID: 040774-16 File ID: K9741

Compound	RT	Est. Conc.	Q
Unknown Straight Chain Alkane	11.52	6	J
Unknown Branched Alkane	11.83	7	J
Unknown Straight Chain Alkane	12.18	13	J
Unknown Straight Chain Alkane	12.58	10	J

ORIGINAL

[redacted]

From: [redacted]
Sent: Monday, August 09, 2004 3:05 PM
To: [redacted] mail)
Cc: [redacted] mail)
Subject: Region 03 | Case 33178 | Lab CEIMIC | Issue Insufficient/inappropriate designation of laboratory QC | FINAL

[redacted]

In accordance with previous direction from Region 3, the laboratory will select a sample for laboratory QC as long as the sample is not a PE, blank, or rinsate sample. The laboratory will note the issue in the Case/SDG Narrative, notify the SMO coordinator of the sample selected for laboratory QC, and proceed with the analysis of the samples.

SMO will record that the laboratory will perform lab QC as follows:
VOA sample C0038 and BNA/PEST sample C0049 for lab QC for SDG C0038
VOA/BNA/PEST sample C0026 for lab QC for SDG C0021
VOA sample C02B8 and BNA/PEST sample C0032 for lab QC for SDG C0032.

Please let me know if you have any other questions or problems.

Thanks,
[redacted]

[redacted]
CSC
CLP Coordinator for Regions 3, 7, & 9
703-818-4214
[redacted]

-----Original Message-----
From: [redacted]
Sent: Monday, August 09, 2004 9:17 AM
To: [redacted]
Subject: Case 33178 insufficient Lab QC

Hi [redacted]

The following SDGs do not have sufficient Lab QC assignments; please let me know if the following assignments designated by CEIMIC are acceptable:

Aqueous SDG C0038: BNA/PEST to be performed on sample C0049 as indicated on the TR/COC. VOA Lab QC not designated; CEIMIC chooses sample C0038.

Soil SDG C0021: No Lab QC designated; CEIMIC chooses sample C0026 for all organic fractions.

Aqueous SDG C0032: No Lab QC designated; CEIMIC chooses sample C02B8 for VOA (this is the only VOA sample in this SDG), and sample C0032 for BNA/PEST.

Thanks! [redacted]

[redacted]

ORIGINAL

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Sent: Monday, August 09, 2004 3:05 PM
To: [redacted] mail)
Cc: [redacted] mail)
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VOA/BNA/PEST sample C0026 for lab QC for SDG C0021
VOA sample C02B8 and BNA/PEST sample C0032 for lab QC for SDG C0032.

Please let me know if you have any other questions or problems.

Thanks,
[redacted]

[redacted]
CSC
CLP Coordinator for Regions 3, 7, & 9
703-818-4214
[redacted]

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Thanks! [redacted]

ORIGINAL

[redacted]

09/01/2004 12:18 PM

To: panderson@mde.state.md.us, psmith@mde.state.md.us
cc: [redacted]
cc:
Subject: 33178, New Jersey Fireworks

Please issue a memo to file adding the sample collection time to the tags for sample C0014. The COC states that the samples were collected at 12:10 but the time was missing from the tags. Also, in the future, all samples going to CLP labs (RAS or routine analytical services booked through Clients Team and Sample Management Office (Holly) must use CLP sample numbers. You used station locations for the sample numbers on the aliquots of samples for % moisture. This causes a lot of extra work for the labs and for the validators and auditors. These samples should have been an additional aliquot (with a tag number) of the CLP sample. In other words, sample C0004 should have been listed on the COC with its 3 tags for voa, bna, pest/pcb and a fourth tag should have been listed for % moisture. If the samples must be split on the COC's because they are in different coolers, the same sample number should be used.

****

[redacted]
ESAT Auditor, Region 3
Lockheed Martin Environmental Services
701 Mapes Road
Ft. Meade, MD 20755-5350
Phone 410-305-3015
Fax 410-305-3095

ORIGINAL

[redacted]

08/31/2004 01:03 PM

To: [redacted]
cc:

Subject: Re: Case 33178, New Jersey Fireworks, lab-CEIMIC.

[redacted]

They were requested to collect additional sample volume. In the past, they did not collect sufficient sample volume which resulted in compromising re-analysis of samples. I do not know why they did not use the CLP numbers for the %moisture samples.

[redacted]

[redacted]

08/31/2004 12:42 PM

To: [redacted]

cc:

Subject: Case 33178, New Jersey Fireworks, lab-CEIMIC.

[redacted]

For case 33178, New Jersey Fireworks, MDE collected 3 sample containers each for the soil/sediment sample analyses (organics) and named the samples per the CLP nomenclature (C0001, C0002, etc.) They also collected a fourth container of soil/sediment for each sample for which they used the station location as the sample number (SED3, SED 4, etc.) These samples were designated for moisture analysis on the COC and were listed on separate COC's. The moisture samples were collected at the same time as the organic samples and had the same station locations but had different sample numbers. I don't believe it was necessary to collect these moisture samples, let alone ship them to CEIMIC. There were 26 of them.
Would you please confirm that the shipment of these moisture samples was not necessary. FYI: the lab reported the % moisture by CLP sample number in the narrative and did not mention the incorrectly numbered % moisture samples.

****

[redacted]
ESAT Auditor, Region 3
Lockheed Martin Environmental Services
701 Mapes Road
Ft. Meade, MD 20755-5350
Phone 410-305-3015
Fax 410-305-3095

MDE

MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard, Suite 625 • Baltimore MD 21230
410-537-3000 • 1-800-633-6101

ORIGINAL

September 10, 2004

VALIDATOR'S COPY

[redacted]
Ceimic Corporation
10 Dean Knauss Drive
Narragansett, R.I. 02882

Dear [redacted]

This letter documents an error that was made in the field for Region III Case # 33178. It is my understanding that sample times are missing from the tags for sample number C0014 (Station Location SS13). These tags should have had a sample time of 1210 as is indicated on Traffic Report# 3-592370820-080304-0006.

If you have any questions, please contact me at (410) 537-3493.

Sincerely,

Peggy Smith

Peggy Smith, CLP Coordinator
CHS Enforcement/Fund Lead Site
Assessment Division

PS

cc: Mr. [redacted]
Ms. Lorie Baker
Mr. [redacted]
Ms.
Ms.
Ms.

ORIGINAL

[redacted]

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Sent: Monday, August 09, 2004 3:05 PM
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VOA sample C02B8 and BNA/PEST sample C0032 for lab QC for SDG C0032.

Please let me know if you have any other questions or problems.

Thanks,
[redacted]

[redacted]
CSC
CLP Coordinator for Regions 3, 7, & 9
703-818-4214
[redacted]

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Thanks! [redacted]

663